blue'Log XM / XC

Compatibility list

Version 18.4.2 (2020-12-08)

Copyright

Contact data

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Details regarding the document

The original document is written in English. All other language versions are translations of the original document and are hereby identified as such.

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Connections

RS485 bus cabling

The blue'Log offers two separate RS485 interfaces (RS485–1 and RS485–2) which can be used for querying information recorded on various bus devices such as inverters, power quality analyzers, etc.

Please note the following regarding the bus cabling:

- Each RS485 interface supports only a single protocol (for example, Modbus).
- All devices on a bus must use the same protocol to communicate.
- For Power Control requirements it is recommended to only connect inverters from the same series to one RS485 interface.
- The data logger functions exclusively as a master on the bus.
- The maximum permitted number of bus devices has to be observed (see driver information).
- The order of the bus devices on the bus is unimportant.
- The use of a repeater is necessary for every 32nd bus device and for long cable runs.
- The bus should be cabled with a twisted and shielded pair of wires.
- The shield of the bus cable must be grounded at one end of the connection only. The data logger does not have its own grounding.
- When wiring the bus wires, it is important that AC and DC cables are routed separately.
- Do not switch the buses signal wires.
- Different manufacturers interpret the RS485 interface's underlying standard differently. A and B wire labels may be different depending on different manufacturer. The + and – indicators, on the other hand, are unambiguous.
- To prevent reflections, the bus must always be terminated with a parallel terminator.

Ethernet Connection

When connecting devices via Ethernet to the blue'Log XM / XC, the IP addresses of the devices which should get connected must be static.

Clamp connection

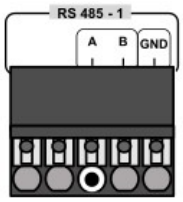

Figure 1 - Clamp assignment blue'Log

RJ45 jack

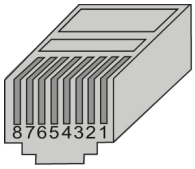

Figure 2 - RJ45 pin assignment

Please consider that the pin assignment of RJ45 jacks can be specific depending on the manufacturer.

Max. number of devices

- Value for max. number of devices in COMMUNICATION section of each driver got calculated theoretically
- These values got calculated based on the requirements, Power Control and Monitoring without data gaps
- Please check the manufacturer documentation for information regarding the maximum amount of devices which can be connected to one RS485 bus or to a communication gateway
- The amount stated for "Max. number of devices" for each driver refers to the connection via blue'Log XM
- When connecting tracker systems the amount of devices which can get connected can get extended on blue'Log XM with help of the so called "Tracker mode". In case activated on blue'Log XM, up to 250 devices can be queried instead of 100. Except for the device types tracker, sensor and status, no further devices can be configured. Please note this feature is not available for blue'Log XC

Beta version

Please note: Drivers which are tagged with Beta-Version

- have not been tested in the field yet
- are just available via meteocontrol support

If beta version tagged driver should be required, please contact meteocontrol support:

Technical support:
Phone: +49 (0)821 34666 - 44
E-mail: technics@meteocontrol.com

Inverter

ABB

PRO

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	45
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PRO series

PRO-33.0-TL	PRO-33.0-TL-OUTD	PRO-33.0-TL-OUTD-S-400
PRO-33.0-TL-OUTD-SX-400		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PVS 800

ⓘ For connection of PVS800 only inverters with firmware (DTC) version ≥ 7360 get supported.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PVS 800-57B

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Ethernet communication requires the ABB communication module FENA-21. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

ⓘ RS485 communication requires the ABB communication module FSCA. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PVS 800-57B

ⓘ For connection of PVS800-57B only inverters with firmware (DTC) version ≥ 1.41 get supported.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PVS 980

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Ethernet communication requires the ABB communication module FENA-21. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

ⓘ RS485 communication requires the ABB communication module FSCA. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PVS 980

ⓘ For connection of PVS980 only inverters with firmware (DTC) version ≥ 1.41 get supported.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PVS, TRIO, TRIO-TM, UNO-DM-PLUS (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	35
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ If the device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to a blue'Log. E.g. For ABB inverters with additional string monitoring technology (SX2, SY2 models), it is only possible to connect up to 50 devices to one blue'Log.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the following inverters need at least the following firmware versions:

Inverter model	Firmware Inverter	Firmware Q1 (Logger)
PVS-50-TL	1901B	1.6.9
PVS-60-TL	1901C	1.6.9
PVS-100-TL	1912B	0.14.9
PVS-120-TL	1912C	0.14.9
PVS-175-TL	1916F	0.2.8

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ For ABB inverters with additional string monitoring technology (SX2, SY2 models) the SunSpec String Combiner Model 403 is also supported.

SUPPORTED DEVICES

PVS series

PVS-50-TL	PVS-60-TL	PVS-60-TL-CN
PVS-60-TL-US	PVS-100.0-400-EU	PVS-120.0-480-EU
PVS-175.0-800-EU	PVS-175.0-800-EU_A.1	

TRIO series

TRIO-50.0-TL-OUTD	TRIO-50.0-TL-OUTD-JP	TRIO-50.0-TL-OUTD-US
TRIO-60.0-TL-OUTD	TRIO-60.0-TL-OUTD-US	

TRIO-TM series

TRIO-TM-50.0-400	TRIO-TM-60.0-480	TRIO-TM-60.0-480-US

UNO-DM-PLUS series

UNO-DM-1.2-TL-PLUS	UNO-DM-2.0-TL-PLUS	UNO-DM-3.3-TL-PLUS-US
UNO-DM-3.8-TL-PLUS	UNO-DM-3.8-TL-PLUS-US	UNO-DM-4.0-TL-PLUS
UNO-DM-4.6-TL-PLUS	UNO-DM-5.0-TL-PLUS	UNO-DM-5.0-TL-PLUS-US
UNO-DM-6.0-TL-PLUS	UNO-DM-6.0-TL-PLUS-US	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TRIO-20.0/27.6-TL-OUTD

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For connection of TRIO-20.0/27.6-TL-OUTD only devices with "Communication Board Firmware Version" E10D get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ "Fast stop" is only being supported in case the "Remote on/off" function is enabled in the inverter.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

TRIO series

TRIO-20-TL-OUTD-400 TRIO-20-TL-OUTD-480 TRIO-27.6-TL-OUTD-400
TRIO-27.6-TL-OUTD-480

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ULTRA 750/1100/1500

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	4
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	3

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ULTRA series

ULTRA 750	ULTRA 1100	ULTRA 1500

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UNO, TRIO, PVI, PVI-CENTRAL, REACT, ULTRA, PLUS, CORE (Aurora Protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	AURORA
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	0.5 seconds
Delay:	0.035 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ In case String Boxes from ABB should be connected to inverters of the series Plus, Central, Core, Ultra the blue'Log would automatically create a string combiner device for every device connected during the inverter scan.
Depending on the amount of ABB string boxes connected to each inverter the total amount of devices varies that can be connected to one blue'Log.
The maximum number of ABB string boxes which can be connected are:
- Ultra series: 80
- Plus / Central / Core series: 12
ⓘ Communication via ABB Aurora protocol is very time critical to receive 1 minute measured values in time. If the cable connections to the inverters are not ideal or if an inverter has problems it can lead to data gaps in the monitoring for the whole RS485 bus. If possible use Modbus or SunSpec communication if the inverter supports it. Please check the other available ABB drivers from blue'Log. e.g. the newer models from the TRIO series support both protocols ABB Aurora and ABB Modbus, SunSpec.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CORE series

CORE-500.0-TL	CORE-1000.0-TL	PVI-500.0-TL-CN

PLUS series

PVI-55.0	PVI-55.0-TL	PVI-110.0
PVI-110.0-TL	PVI-134.0-TL	PVI-165.0
PVI-165.0-TL	PVI-200.0-TL	PVI-220.0
PVI-220.0-TL	PVI-267.0-TL	PVI-275.0
PVI-275.0-TL	PVI-330.0	PVI-330.0-TL
PVI-334.0-TL	PVI-400.0-TL	PVI-CENTRAL-50-US-208
PVI-CENTRAL-50-US-480	PVI-CENTRAL-100-US-208	PVI-CENTRAL-100-US-480
PVI-CENTRAL-250-CAN	PVI-CENTRAL-250-US	PVI-CENTRAL-300-CAN
PVI-CENTRAL-300-US		

PLUS-STATION series

PLUS-STATION-530.0	PLUS-STATION-665.0	PLUS-STATION-800.0
PLUS-STATION-930.0	PLUS-STATION-1065.0	PLUS-STATION-1200.0

PVI series

3-phase interface (3G74) 11.0 KVA Universal (output 400 VAC) 13.8 KVA Universal (output 400 VAC)
PVI-3.0-OUTD PVI-3.6-OUTD PVI-3.8-I-OUTD
PVI-3.8-OUTD PVI-4.2-OUTD PVI-4.6-I-OUTD
PVI-6.0-OUTD Universal (output 400 VAC) PVI-6.0-TL-OUTD PVI-8.0-OUTD Universal
PVI-8.0-OUTD Universal PLUS PVI-8.0-TL-OUTD PVI-10.0-I-OUTD (output 208 VAC)
PVI-10.0-I-OUTD (output 380 VAC) PVI-10.0-I-OUTD (output 480 VAC – current limit 12 A) PVI-10.0-I-OUTD (output 480 VAC)
PVI-10.0-I-OUTD (output 600 VAC) PVI-10.0-OUTD PVI-10.0-OUTD Universal
PVI-10.0-TL-OUTD PVI-12.0-I-OUTD (output 208 VAC) PVI-12.0-I-OUTD (output 380 VAC)
PVI-12.0-I-OUTD (output 480 VAC) PVI-12.0-I-OUTD (output 600 VAC) PVI-12.5-OUTD
PVI-12.5-OUTD Universal PVI-12.5-TL-OUTD PVI-1700-IND
PVI-1700-OUTD PVI-2000 PVI-2000-OUTD
PVI-3600 PVI-3600-OUTD PVI-5000-OUTD
PVI-6000-OUTD

REACT series

REACT-3.6-TL REACT-4.6-TL REACT-UNO-3.6-TL
REACT-UNO-4.6-TL

TRIO series

TRIO-5.0-TL-OUTD TRIO-5.8-OUTD (output 400 VAC) TRIO-7.5-OUTD (output 400 VAC)
TRIO-8.5-OUTD (output 400 VAC) TRIO-20-TL TRIO-20.0 (output 480 VAC)
TRIO-25.0-OUTD TRIO-27.6 (output 480 VAC) TRIO-27.6-TL
TRIO-50.0-TL-OUTD TRIO-50.0-TL-OUTD-JP TRIO-50.0-TL-US
TRIO-60.0-TL-OUTD TRIO-60.0-TL-OUTD-US TRIO-TM-50.0-400 / TRIO-TM-60.0-480

ULTRA series

ULTRA-700.0-TL ULTRA-750.0-TL ULTRA-1050.0-TL
ULTRA-1100.0-TL ULTRA-1400.0-TL ULTRA-1500.0-TL

ULTRA-MVC series

ULTRA-MVC-770.0 ULTRA-MVC-1160.0 ULTRA-MVC-1550.0
ULTRA-MVC-1940.0 ULTRA-MVC-2330.0 ULTRA-MVC-2720.0
ULTRA-MVC-3110.0

ULTRA-MVC-S series

ULTRA-MVC-770.0-S ULTRA-MVC-1160.0-S ULTRA-MVC-1550.0-S
ULTRA-MVC-1940.0-S ULTRA-MVC-2330.0-S ULTRA-MVC-2720.0-S
ULTRA-MVC-3110.0-S

UNO series

UNO-2.0-I UNO-2.0-TL-OUTD UNO-2.0-TL-OUTD-US
UNO-2.5-I UNO-3.0-TL-OUTD UNO-3.0-TL-OUTD-US
UNO-3.6-TL-OUTD UNO-3.8-TL-OUTD UNO-4.2-TL-OUTD
UNO-7.6-TL-OUTD UNO-8.6-TL-OUTD

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Advanced Energy
PVPXXXX_PVP30KW/AExxxTX

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	83
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PVP30/AExxxTX series

AE35TX	AE50TX	AE75TX
AE100TX	AE250TX/AE260TX	AE500TX
PVP30KW		

PVPxxxx series

PVP4600

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	NaN
Protocol:	DANFOSS_COM_LYNX
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Protect PV series

Protect PV 8	Protect PV 10	Protect PV 12.5 k
Protect PV 15 k		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

AETI

Integrated Solar Inversion System (ISIS)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	0.2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Integrated Solar Inversion System (ISIS)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Albatech
APL

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	247
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	247

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note when connecting Albatech inverters the communication settings of the inverters need to be set to:
-Bus speed: 19200 bps
-Frame settings: 8E1
-OneBasedAddress: false
-Word/Byte-Order: High

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

APL15	APL20

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	19
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

AEC Trinergy Plus Series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

AROS (Riello)
SIRIO K12 - K800 central inverter

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	49
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sirio Central Inverters series

Sirio K12	Sirio K15	Sirio K18
Sirio K25 Series	Sirio K33 Series	Sirio K40 Series
Sirio K64 Series	Sirio K80 Series	Sirio K100 Series
Sirio K200 Series	Sirio K250 Series	Sirio K330 Series
Sirio K500 Series	Sirio K800 Series	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Astrid Energy Enterprises

Copernico TT/TL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	48
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N2, 8O1, 8E1
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Copernico TT/TL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ATESS Power

HPS

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	60
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

HPS series

HPS30	HPS50	HPS100
HPS120	HPS150	HPS250

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	16
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.3 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer. Reactive power control - Q control is only possible for the models CSI-30KTL-GI-FL ID 47, CSI-30KTL-GS-FL ID 4C with version ≥22

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CS-125KTL-GS-E	CSI-15KTL-GI-LFL	CSI-20KTL-GI-FL
CSI-20KTL-GI-LFL	CSI-25KTL-GI-FL	CSI-25KTL-GI-L
CSI-25KTL-GS-FL	CSI-30KTL-GI-FL	CSI-30KTL-GI-L
CSI-30KTL-GS-FL	CSI-36KTL-GS-FL	CSI-40KTL-GI-FL
CSI-40KTL-GI-HFL	CSI-40KTL-GS-FL	CSI-50KTL-GI
CSI-50KTL-GI-HFL	CSI-60KTL-GI	CSI-60KTL-GI-H

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Chint

CPS Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	74
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CPS series

SCA14KTL-DO/US-208	SCA20KTL-DO	SCA25KTL-DO
SCA30KTL-DO	SCA36KTL-DO	SCA50KTL-DO
SCA50KTL-DO/US-480	SCA60KTL-DO	SCA60KTL-DO/US-480
SCA500KTL-H	SCA1000KTL-H	SCH1250K
SCH1500K		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CPS-T/SA Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	68
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CPS-T/SA Series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Danfoss
DLX, FLX, TLX, ULX

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	DANFOSS_ETHER_LYNX
Port:	48004
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	DANFOSS_COM_LYNX
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note that Danfoss considers RX/TX A (-) and RX/TX B (+). When connecting Danfoss inverters via RS485 to blue'Log A and B need to be changed.
ⓘ TLX Pro supports Ethernet communication.
ⓘ Scan on RS485 takes several minutes to finish without visible progress in between.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Only TLX inverter with software version ≥ 1.04 are supporting active Power Control. Only TLX+ inverter support active and reactive Power Control.
ULX inverter with software version ≥ 1.82 support active and reactive Power Control. With software version > 1.67 and < 1.82 only reactive Power Control is possible.
DLX inverter don't support Power Control.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

DLX series

DLX 2.0	DLX 2.9	DLX 3.8
DLX 4.6		

FLX series

FLX Pro 5	FLX Pro 6	FLX Pro 7
FLX Pro 8	FLX Pro 9	FLX Pro 10
FLX Pro 12.5	FLX Pro 15	FLX Pro 17

TLX series

TLX series 6 k	TLX series 8 k	TLX series 10 k
TLX series 12.5 k	TLX series 15 k	

ULX series

ULX 1800	ULX 3600	ULX 5400

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Delta

DelCEN 1000

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Timings	
Timeout:	0.5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC	Current AC
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

DelCEN 1000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

M (Q@night, only Q method) (SunSpec)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For communication via SunSpec the inverters must be configured accordingly. (please see inverter manufacturer documentation for more information).
ⓘ If the device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to a blue'Log. E.g. For Delta inverters with additional string monitoring technology (e.g. Delta M88H), it is only possible to connect up to 50 devices to one blue'Log.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Only inverters with firmware version 1.19 get supported.
ⓘ You must activate the "Constant Q, 24/7" mode from the inverter via inverter display or Delta service software DSS to use the Remote power compensation function. Configure it only for the inverters at the plant which should do the remote power compensation. The other ones should stay in the mode "Constant Q".

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

M15A	M20A	M30A
M42U	M50A	M60U
M70A	M80U	M88H
M125HV		

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

M (SunSpec)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For communication via SunSpec the inverters must be configured accordingly. (please see inverter manufacturer documentation for more information).
ⓘ If the device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to a blue'Log. E.g. For Delta inverters with additional string monitoring technology (e.g. Delta M88H), it is only possible to connect up to 50 devices to one blue'Log.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

M15A	M20A	M30A
M42U	M50A	M60U
M70A	M80U	M88H
M125HV		

Please contact Sales for details of compatibility with devices not listed.
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SI, SOLIVIA, SOL, TL, RPI (Delta protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	DELTA
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.
ⓘ Only the models RPI M50A and RPI M30A support the function "Fast stop".

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

GRIDFIT series

Gridfit 1900/2200

RPI series

RPI H3	RPI H3A	RPI H3A Flex
RPI H4A	RPI H4A Flex	RPI H5
RPI H5A	RPI H5A Flex	RPI M6
RPI M6A	RPI M8	RPI M8A
RPI M10	RPI M10A	RPI M12
RPI M15A	RPI M20A	RPI M30
RPI M30A	RPI M50A	

SI series

SI 2500	SI 3300	SI 5000

SOL series

SOL 5.0 2TL3 S4

SOLIVIA series

SOLIVIA 2.0 EU G4 TR	SOLIVIA 2.5 AP G3	SOLIVIA 2.5 EU G3
SOLIVIA 2.5 EU G4 TR	SOLIVIA 2.5 NA G4	SOLIVIA 3.0 AP G3
SOLIVIA 3.0 EU G3	SOLIVIA 3.0 EU G4 TR	SOLIVIA 3.0 EU T4 TL
SOLIVIA 3.0 NA G4	SOLIVIA 3.0 NA G4 TL	SOLIVIA 3.3 AP G3
SOLIVIA 3.3 EU G3	SOLIVIA 3.3 EU G4 TR	SOLIVIA 3.3 NA G4
SOLIVIA 3.6 AP G3	SOLIVIA 3.6 EU G3	SOLIVIA 3.6 EU G4 TR
SOLIVIA 3.6 NA G4	SOLIVIA 3.8 NA G4 TL	SOLIVIA 4.4 EU G4 TR
SOLIVIA 4.4 NA G4	SOLIVIA 5.0 AP G3	SOLIVIA 5.0 EU G3
SOLIVIA 5.0 EU G4 TR	SOLIVIA 5.0 EU T4 TL	SOLIVIA 5.0 NA G4
SOLIVIA 5.0 NA G4 TL	SOLIVIA 5.2 NA G4 TL	SOLIVIA 6.0 EU T4 TL
SOLIVIA 6.6 NA G4 TL	SOLIVIA 7.6 NA G4 TL	SOLIVIA 8.0 EU T4 TL
SOLIVIA 10 EU G4 TR (EVR)	SOLIVIA 10 EU T4 TL	SOLIVIA 11 EU G4 TR
SOLIVIA 11 EU G4 TR (EVR)	SOLIVIA 12 EU G4 TL	SOLIVIA 12 EU T4 TL
SOLIVIA 15 EU G4 TL	SOLIVIA 15 EU TL	SOLIVIA 20 EU G4 TL
SOLIVIA 20 EU TL	SOLIVIA 30 EU T4 TL	SOLIVIA CM
SOLIVIA CS		

TL series

DELTA 15 TL	DELTA 20 TL	DELTA 24 TL
DELTA 28 TL		

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Diehl Ako
PLATINUM

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	DIEHL_AKO
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note it is possible to connect "String Modules" to Diehl AKO inverters. In case "String Modules" connected the blue'Log will automatically set up a string combiner device for each "String Module" connected to the inverter. Depending on the amount of "String Modules" connected the max. amount of devices varies which can get connected to one blue'Log.
Values of the "Power Modules" can get visualized via the inverter.
ⓘ The scan of a single Diehl AKO inverter can last up to 45 seconds.
ⓘ It is not possible to scan individual inverters. Only a complete RS485 bus can get scanned.
ⓘ With Diehl AKO inverters it is possible to start the scan of the RS485 bus not only from a data logger but also from single inverters part of the bus. The driver does not support this function. In case a scan of the RS485 bus has been carried out from an inverter this can lead to a communication error. In such cases meteocontrol recommends a restart of the blue'Log as well as a completely new scan of all inverters connected carried out by the blue'Log.
ⓘ Diehl AKO inverters with protocol version 5.0 and higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note in CLOSED-LOOP only "Active power control" or "Reactive power control" is possible. "Active power control" and "Reactive power control" at the same time only possible in OPEN-LOOP.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I (1,...x)	Current DC (1,...x)
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PLATINUM C series

100CS	100CTL	125CTL

PLATINUM R3-M series

7000R3-MDX	7000R3-MDXP	9000R3-MDX
9000R3-MDXP	11000R3-MDX	11000R3-MDXP
14000R3-MDX	14000R3-MDXP	16000R3-MDX
16000R3-MDXP		

PLATINUM S series

2100S	2800S	3100S
3501S	3800S	4300S
4301S	4600S	4601S
4602S		

PLATINUM TL series

4300TL	4800TL	5300TL
6300TL	7200TL	

PLATINUM TL3 (3xTL) series

11000TL3	13000TL3	17000TL3
22000TL3		

PLATINUM TLD series

3800TLD	3801TLD	4300TLD
4800TLD	5300TLD	6300TLD
7200TLD		

PLATINUM TLD series (3xTLD) series

13000TLD (TLxD)	16000TLD (TLxD)	19000TLD (TLxD)
22000TLD (TLxD)	22001TLD (TLxD)	

Please contact Sales for details of compatibility with devices not listed.
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EEI
8YF

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

8YF

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

Emerson

Unidrive SPV1

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
P_AC	Power AC
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Unidrive SPV1 series

SPV 145	SPV 175	SPV 350
SPV 525	SPV 700	SPV 875
SPV 1060	SPV 1230	SPV 1410
SPV 1590		

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Unidrive SPV2

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2, 7N1, 7O1, 7E1, 7N2, 7O2, 7E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC total
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Unidrive SPV2 series

SPV 248	SPV 300	SPV 600
SPV 900	SPV 1200	SPV 1500
SPV 1800	SPV 2100	SPV 2400
SPV 2700		

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

FIMER

R400 - R5000TL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	65
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

R400	R800	R1200
R2500TL	R5000TL	

Please contact Sales for details of compatibility with devices not listed.
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FRIEM

RECon 30 Central Inverter (firmware > 2.42.0)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ FRIEM RECon central inverters consist of several inverter modules (up to 6) and string combiners (up to 18). Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 FRIEM RECon central inverter with 6 inverter modules + 18 string combiner = 24 devices).

ⓘ Please note for connection of FRIEM RECon inverters with only a RS232 interface an additional RS232/RS485 converter is required for connection via Modbus RTU.

ⓘ Please note for FRIEM RECon inverters with firmware version up to 2.42.0 the communication via Modbus TCP can't get used for monitoring.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC	Current AC
I_DC	Current DC total
P_AC	Power AC
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

RECon 30 Central Inverter (firmware > 2.42.0)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RECon Central Inverter (firmware 5.4.xx)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	8000
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	38400 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ FRIEM RECon central inverters with firmware 5.4.xx get supported.

ⓘ FRIEM RECon central inverters consist of several inverter modules (up to 6) and string combiners (up to 18). Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 FRIEM RECon central inverter with 6 inverter modules + 18 string combiner = 24 devices).

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
I_SUM	Sum of DC currents
P_AC	Power AC
Q_AC	Reactive power
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

RECon series

FRIEM stringboxes	RECon Centralized Inverters

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fronius
Datamanager 2.0

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Communication via Modbus must be activated on the Fronius Datamanager 2.0 first.
ⓘ On the Fronius Datamanager 2.0 the Sunspec Model type "int + SF" needs to be selected.
ⓘ It is recommended that not more than 20 inverters get connected to a single Datamanager 2.0 for monitoring purpose.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ In case of Power Control requirements "Inverter control via Modbus" needs to be activated on the Fronius Datamanager 2.0.
ⓘ Please consider that meteocontrol recommends not to connect more than 10 inverters to a single Datamanager 2.0 in case Power Control should be required.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Datamanager 2.0 plug-in card with Fronius Com Card function series

Fronius CL	Fronius CL USA	Fronius IG
Fronius IG 300 - 500	Fronius IG Plus	Fronius IG Plus A
Fronius IG Plus V		

Datamanager 2.0 plug-in card without Fronius Com Card function series

Fronius Eco	Fronius Galvo	Fronius Primo
Fronius Symo		

Datamanager Box 2.0 series

Fronius Agilo	Fronius Agilo Outdoor	Fronius Agilo TL
Fronius CL	Fronius CL USA	Fronius Eco
Fronius Galvo	Fronius IG	Fronius IG 300 - 500
Fronius IG Plus	Fronius IG Plus A	Fronius IG Plus V
Fronius Primo	Fronius Symo	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fronius SolarNet Inverter

COMMUNICATION

Communication interface:	RS422
Max. number of devices per bus:	100
Protocol:	SOLAR_NET
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	57600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 7N1, 7N2, 7E1, 7E2
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ To communicate with the inverter via SolarNet protocol a RS422 interface is necessary. Please note that you need a MX-MODULE RS485/422 because blue'Log has no RS422 interface.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T	Temperature
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Agilo series

Fronius Agilo 75.0-3	Fronius Agilo 75.0-3 Outdoor	Fronius Agilo 100.0-3
Fronius Agilo 100.0-3 Dummy	Fronius Agilo 100.0-3 Outdoor	Fronius Agilo TL 360.0-3
Fronius Agilo TL 460.0-3		

CL series

Fronius CL 33.3 Delta	Fronius CL 36.0	Fronius CL 36.0 WYE277
Fronius CL 44.4 Delta	Fronius CL 48.0	Fronius CL 48.0 WYE277
Fronius CL 55.5 Delta	Fronius CL 55.5 Delta Dummy	Fronius CL 60.0
Fronius CL 60.0 Dummy	Fronius CL 60.0 WYE277	Fronius CL 60.0 WYE277 Dummy

Eco series

FRONIUS Eco 25.0-3-S	FRONIUS Eco 27.0-3-S	FRONIUS Symo 15.0-3 208

Galvo series

Fronius Galvo 1.5-1	Fronius Galvo 1.5-1 208-240	Fronius Galvo 2.0-1
Fronius Galvo 2.0-1 208-240	Fronius Galvo 2.5-1	Fronius Galvo 2.5-1 208-240
Fronius Galvo 3.0-1	Fronius Galvo 3.1-1	Fronius Galvo 3.1-1 208-240
Fronius Galvo 3.1-1 Dummy		

IG series

Fronius IG 15	Fronius IG 20	Fronius IG 30
Fronius IG 30 Dummy	Fronius IG 40	Fronius IG 50
Fronius IG 60 ADV	Fronius IG 60 HV	Fronius IG 300
Fronius IG 400	Fronius IG 500	Fronius IG 2000
Fronius IG 2500-LV	Fronius IG 3000	Fronius IG 4000
Fronius IG 4500-LV	Fronius IG 5100	Fronius IG Plus 35
Fronius IG Plus 50	Fronius IG Plus 70	Fronius IG Plus 100
Fronius IG Plus 120	Fronius IG Plus 150	Fronius IG TL 3.0
Fronius IG TL 3.6	Fronius IG TL 4.0	Fronius IG TL 4.6
Fronius IG TL 5.0	Fronius IG TL Dummy	

IG Plus series

Fronius IG Plus 3.0-1 UNI	Fronius IG Plus 3.8-1 UNI	Fronius IG Plus 5.0-1 UNI
Fronius IG Plus 6.0-1 UNI	Fronius IG Plus 7.5-1 UNI	Fronius IG Plus 10.0-1 UNI
Fronius IG Plus 11.4-1 UNI	Fronius IG Plus 11.4-3 Delta	Fronius IG Plus 12.0-3 WYE277
Fronius IG Plus 25 V-1	Fronius IG Plus 30 V-1	Fronius IG Plus 35 V-1
Fronius IG Plus 50 V-1	Fronius IG Plus 50 V-1 Dummy	Fronius IG Plus 55 V-1
Fronius IG Plus 55 V-2	Fronius IG Plus 55 V-3	Fronius IG Plus 60 V-1
Fronius IG Plus 60 V-2	Fronius IG Plus 60 V-3	Fronius IG Plus 70 V-1
Fronius IG Plus 70 V-2	Fronius IG Plus 80 V-3	Fronius IG Plus 100 V-1
Fronius IG Plus 100 V-2	Fronius IG Plus 100 V-2 Dummy	Fronius IG Plus 100 V-3
Fronius IG Plus 120 V-1	Fronius IG Plus 120 V-3	Fronius IG Plus 150 V-3
Fronius IG Plus 150 V-3 Dummy	Fronius IG Plus V 3.8-1 Dummy	Fronius IG Plus V 7.5-1 Dummy
Fronius IG Plus V 12.0-3 Dummy	Fronius IG Plus V/A 3.0-1 UNI	Fronius IG Plus V/A 3.8-1 UNI
Fronius IG Plus V/A 5.0-1 UNI	Fronius IG Plus V/A 6.0-1 UNI	Fronius IG Plus V/A 7.5-1 UNI
Fronius IG Plus V/A 10.0-1 UNI	Fronius IG Plus V/A 10.0-3 Delta	Fronius IG Plus V/A 11.4-1 UNI
Fronius IG Plus V/A 11.4-3 Delta	Fronius IG Plus V/A 12.0-3 WYE	

Other series

Fronius G24 Serie	Remote Plant

Primo series

Fronius Primo 3.0-1	Fronius Primo 3.5-1	Fronius Primo 3.6-1
Fronius Primo 3.8-1 208-240	Fronius Primo 4.0-1	Fronius Primo 4.6-1
Fronius Primo 5.0-1	Fronius Primo 5.0-1 208-240	Fronius Primo 6.0-1
Fronius Primo 6.0-1 208-240	Fronius Primo 7.6-1 208-240	Fronius Primo 8.2-1
Fronius Primo 8.2-1 208-240	Fronius Primo 8.2-1 Dummy	Fronius Primo 10.0-1 208-240
Fronius Primo 11.4-1 208-240	Fronius Primo 12.5-1 208-240	Fronius Primo 15.0-1 208-240
Fronius Primo Hybrid 3.6-1	Fronius Primo Hybrid 4.0-1	Fronius Primo Hybrid 4.6-1
Fronius Primo Hybrid 5.0-1	Fronius Primo Hybrid 5.0-1 240	Fronius Primo Hybrid 6.0-1
Fronius Primo Hybrid 6.0-1 240	Fronius Primo Hybrid 8.0-1	Fronius Primo Hybrid 8.0-1 240
Fronius Primo Hybrid 10.0-1	Fronius Primo Hybrid 10.0-1 240	Fronius Primo Hybrid 11.4-1
Fronius Primo Hybrid 11.4-1 240		

SPR series

SPR 3001F-1 EU	SPR 3300F EU/A 3.8-1 UNI	SPR 3300f/A 12.0-3 WYE
SPR 3501F-1 EU	SPR 4000F EU/A 3.0-1 UNI	SPR 4000f/A 11.4-3 Delta
SPR 4001F-1 EU	SPR 6500F EU	SPR 6500f/A 11.4-1 UNI
SPR 6501F-2 EU	SPR 8000F EU	SPR 8000f/A 10.0-3 Delta
SPR 8001F-2 EU	SPR 8001F-3 EU	SPR 10000F EU
SPR 10000f/A 10.0-1 UNI	SPR 10001F-3 EU	SPR 11400f-3 208/240/A 7.5-1 UNI
SPR 12000F EU	SPR 12000f-277/A 5.0-1 UNI	SPR 12000f/A 6.0-1 UNI
SPR 12001F-3 EU	SPR-3301f-1 UNI	SPR-3801f-1 UNI
SPR-6501f-1 UNI	SPR-7501f-1 UNI	SPR-10001f-1 UNI
SPR-11401f-1 UNI	SPR-11401f-3 Delta	SPR-12001f-3 WYE277

Symo series

Fronius Symo 3.0-3-M	Fronius Symo 3.0-3-S	Fronius Symo 3.7-3-M
Fronius Symo 3.7-3-S	Fronius Symo 4.5-3-M	Fronius Symo 4.5-3-S
Fronius Symo 5.0-3-M	Fronius Symo 5.5-3-M	Fronius Symo 6.0-3-M
Fronius Symo 6.7-3-M	Fronius Symo 7.0-3-M	Fronius Symo 8.2-3-M
Fronius Symo 8.2-3-M Dummy	Fronius Symo 10.0-3 208-240	Fronius Symo 10.0-3 480
Fronius Symo 10.0-3-M	Fronius Symo 12.0-3 208-240	Fronius Symo 12.5-3 480
Fronius Symo 12.5-3-M	Fronius Symo 15.0-3 480	Fronius Symo 15.0-3-M
Fronius Symo 17.5-3 480	Fronius Symo 17.5-3-M	Fronius Symo 20.0-3 480
Fronius Symo 20.0-3 Dummy	Fronius Symo 20.0-3-M	Fronius Symo 22.7-3 480
Fronius Symo 24.0-3 480	Fronius Symo 24.0-3 USA Dummy	Fronius Symo Hybrid 3.0-3-S
Fronius Symo Hybrid 4.0-3-S	Fronius Symo Hybrid 5.0-3-S	Symo Advanced 10.0-3 208-240
Symo Advanced 12.0-3 208-240	Symo Advanced 15.0-3 480	Symo Advanced 20.0-3 480
Symo Advanced 22.7-3 480	Symo Advanced 24.0-3 480	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Gamesa Electric
Inverter III 500kW

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Inverter III 500kW

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ginlong

Solis

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	16
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.3 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Reactive power control - Q control is only possible for the models Solis-30K/33K ID 47, Solis 30K-Us ID 4C with version ≥22 and Solis-3P5K-4G ID 77, Solis-3P5K-4G-LV (220V) ID 8A, Solis-3P5K-4G (AU) ID 8D with version ≥ 4.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Solis-1P4K-4G	Solis-1P5K-4G	Solis-1P7K-4G
Solis-1P8K-4G	Solis-1P9K-4G	Solis-1P10K-4G
Solis-3P5K-4G	Solis-3P5K-4G (AU)	Solis-3P5K-4G-LV
Solis-3P6K-4G	Solis-3P6K-4G (AU)	Solis-3P6K-4G-LV
Solis-3P8K-4G	Solis-3P8K-4G (AU)	Solis-3P9K-4G
Solis-3P9K-4G (AU)	Solis-3P10K-4G	Solis-3P10K-4G (AU)
Solis-3P10K-4G-LV	Solis-3P12K-4G	Solis-3P12K-4G (CN)
Solis-3P15K-4G	Solis-3P15K-4G (CN)	Solis-3P15K-4G-HV
Solis-3P17K-4G	Solis-3P20K-4G	Solis-6K
Solis-6K-LV	Solis-10K	Solis-10K-LV
Solis-15K	Solis-15K-LV	Solis-20K
Solis-20K-HV	Solis-20K-LV	Solis-25K
Solis-25K-5G	Solis-25K-LV	Solis-25K-US
Solis-30K-LV	Solis-30K-US	Solis-30K/33K
Solis-36K-HV/-36K-US/-36K-US-SW	Solis-36K-US-F	Solis-40K
Solis-40K-HV/-40K-US/-40K-US-SW	Solis-40K-US-F	Solis-50K
Solis-50K-HV-US-F	Solis-50K-HV/-50K-HV-US	Solis-60K-4G
Solis-60K-HV/-60K-US-F	Solis-66K-US-F	Solis-70K-HV
Solis-70K-HV-4G	Solis-100-K-EHV-5G	Solis-125-K-EHV-5G
Solis-Mini-700-4G	Solis-Mini-1000-4G	Solis-Mini-1500-4G
Solis-Mini-2000-4G	Solis-Mini-2500-4G	Solis-Mini-3000-4G

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GoodWe

MT, XS, NS, DNS, HF, SDT-G2, SDT, DT, SMT

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	67
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

DNS series

GW3000D-NS	GW3600D-NS	GW4200D-NS
GW5000D-NS	GW6000D-NS	

DT series

GW17K-DT	GW20K-DT	GW25K-DT

HF series

GW5KHV-HF	GW3000-HF	GW5000D-HF

LVMT series

GW30KLV-MT	GW35KLV-MT	GW50KLV-MT

LVSMT series

GW15KLV-MT	GW20KLV-MT

MT series

GW50K-MT	GW50KBF-MT	GW50KN-MT
GW60K-MT	GW60KBF-MT	GW60KN-MT
GW70KHV-MT	GW80K-MT	GW80KBF-MT
GW80KHV-MT		

NS series

GW1000-NS	GW1500-NS	GW2000-NS
GW2500-NS	GW3000-NS	

SDT series

GW10KN-DT	GW12KLN-DT	GW12KN-DT
GW15KN-DT	GW17KN-DT	GW20KN-DT
GW4000-DT	GW5000-DT	GW6000-DT
GW8000-GT		

SDT-G2 series

GW4K-DT	GW5K-DT	GW6K-DT
GW8K-DT	GW10KT-DT	GW12KT-DT
GW15KT-DT		

SMT series

GW25K-MT	GW30K-MT	GW36K-MT
GW36KN-MT		

XS series

GW700-XS	GW1000-XS	GW1500-XS
GW2000-XS	GW2500-XS	GW3000-XS

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Growatt

750~3000 S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

750~3000 S series

750-S	1000-S	1500-S
2000-S	2500-S	3000-S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

2500~5500 MTL-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

2500~5500 MTL-S series

2500MTL-S	3000MTL-S	3600MTL-S
4200MTL-S	5000MTL-S	5500MTL-S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

3000~6000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

3000~6000 TL3-S series

3000TL3-S	4000TL3-S	5000TL3-S
6000TL3-S		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

7000~11000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

7000~11000 TL3-S series

7000TL3-S	8000TL3-S	9000TL3-S
10000TL3-S	11000TL3-S	

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

10000~20000 UE

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

10000~20000 UE series

10000UE	20000UE

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12000~15000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

12000~15000 TL3-S series

12000TL3-S	13000TL3-S	15000TL3-S

Please contact Sales for details of compatibility with devices not listed.
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17000~25000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

17000~25000 TL3-S series

17000TL3-S	20000TL3-S	25000TL3-S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

30000~50000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

30000~50000 TL3-S series

30000TL3-S	33000TL3-S	40000TL3-S
50000TL3-S		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MAX xx KTL3 LV/MV

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MAX xx KTL3 LV/MV series

MAX 50KTL3 LV	MAX 60KTL3 LV	MAX 60KTL3 MV
MAX 70KTL3 LV	MAX 70KTL3 MV	MAX 80KTL3 LV
MAX 80KTL3 MV		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SPA xxxx TL-BL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SPA xxxx TL-BL series

SPA1000TL-BL	SPA2000TL-BL	SPA3000TL-BL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SPA xxxx TL3-BH

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SPA xxxx TL3-BH series

SPA 4000 TL3 BH	SPA 5000 TL3 BH	SPA 6000 TL3 BH
SPA 7000 TL3 BH	SPA 8000 TL3 BH	SPA 10000 TL3 BH

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SPH xxxx

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SPH xxxx series

SPH3000	SPH3600	SPH4000
SPH4600	SPH5000	SPH6000

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

SPH xxxx TL3-BH

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SPH xxxx TL3-BH series

SPH4000TL3 BH	SPH5000TL3 BH	SPH6000TL3 BH
SPH7000TL3 BH	SPH8000TL3 BH	SPH10000TL3 BH

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei
SUN2000

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	41
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Direct connection of Huawei inverters to blue'Log via RS485 (Modbus RTU).
ⓘ When using Huawei SmartLogger:
- connection of SmartLogger to blue'Log via Ethernet (Modbus TCP)
- blue'Log needs to be registered in the "Whitelist" of the SmartLogger
- blue'Log is compatible to SmartLogger 1000, 2000, 3000 series. Independent of the SmartLogger it's important that the inverter is compatible and has a supported firmware installed (check supported devices)
- set on the Smartlogger in section Settings/Modbus TCP/Link setting "Enable(Unlimited)" and enter IP address of the blue'Log
- SmartLogger address needs to be set to 0

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ If inverters connected to SmartLogger "Enable" Active/Reactive power control in Settings of SmartLogger.
Set "Active/Reactive power control mode" to: "Remote scheduling" on the SmartLogger.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SUN2000 series

SUN2000-3KTL-M0	SUN2000-3KTL-M1	SUN2000-4KTL-M0
SUN2000-4KTL-M1	SUN2000-5KTL-M0	SUN2000-5KTL-M1
SUN2000-6KTL-M0	SUN2000-6KTL-M1	SUN2000-8KTL
SUN2000-8KTL-M0	SUN2000-8KTL-M1	SUN2000-8KTL-M2
SUN2000-10KTL	SUN2000-10KTL-M0	SUN2000-10KTL-M1
SUN2000-10KTL-M2	SUN2000-12KTL	SUN2000-12KTL-M0
SUN2000-12KTL-M2	SUN2000-15KTL	SUN2000-15KTL-M0
SUN2000-15KTL-M2	SUN2000-17KTL	SUN2000-17KTL-M0
SUN2000-17KTL-M2	SUN2000-20KTL	SUN2000-20KTL-M0
SUN2000-20KTL-M2	SUN2000-23KTL	SUN2000-24.5KTL
SUN2000-24.7KTL-JP	SUN2000-28KTL	SUN2000-29.9KTL
SUN2000-30KTL-A	SUN2000-33KTL	SUN2000-33KTL-A
SUN2000-33KTL-E001	SUN2000-33KTL-JP	SUN2000-33KTL-US
SUN2000-36KTL	SUN2000-36KTL-US	SUN2000-40KTL
SUN2000-40KTL-JP	SUN2000-40KTL-US	SUN2000-42KTL
SUN2000-43KTL-IN-C1	SUN2000-45KTL-US-HV-D0	SUN2000-50KTL
SUN2000-50KTL-C1	SUN2000-50KTL-JPM0	SUN2000-50KTL-JPM1
SUN2000-50KTL-M0	SUN2000-55KTL-HV-D1	SUN2000-55KTL-HV-D1-001
SUN2000-55KTL-IN-HV-D1	SUN2000-60KTL-HV-D1	SUN2000-60KTL-HV-D1-001
SUN2000-60KTL-M0	SUN2000-63KTL-JPH0	SUN2000-63KTL-JPM0
SUN2000-65KTL-M0	SUN2000-70KTL-C1	SUN2000-70KTL-INM0
SUN2000-75KTL-C1	SUN2000-90KTL-H0	SUN2000-90KTL-H1
SUN2000-90KTL-H2	SUN2000-95KTL-INH0	SUN2000-95KTL-INH1
SUN2000-100KTL-H0	SUN2000-100KTL-H1	SUN2000-100KTL-H2
SUN2000-100KTL-INM0	SUN2000-100KTL-M0	SUN2000-100KTL-M1
SUN2000-100KTL-USH0	SUN2000-105KTL-H0	SUN2000-105KTL-H1
SUN2000-105KTL-USH0	SUN2000-110KTL-M0	SUN2000-125KTL-M0
SUN2000-168KTL-H1	SUN2000-175KTL-H0	SUN2000-185KTL-H1
SUN2000-185KTL-INH0	SUN2000-193KTL-H0	

ⓘ Only the following inverter firmwares get supported:
SUN2000 V100R001
SUN2000 V200R001
SUN2000 V200R002
SUN2000 V300R001
SUN2000 V500R001
SUN2000HA V100R001
SUN2000MA V100R001

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SUN2000L

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SUN2000L series

SUN2000-2KTL	SUN2000-2KTL-L0	SUN2000-3.8KTL-US
SUN2000-3.8KTL-US-4G	SUN2000-3.68KTL	SUN2000-3KTL
SUN2000-3KTL-CN	SUN2000-3KTL-CN-4G	SUN2000-3KTL-CNL0
SUN2000-3KTL-L0	SUN2000-4.6KTL	SUN2000-4.6KTL-L1
SUN2000-4.95KTL-JP	SUN2000-4.95KTL-JPL0	SUN2000-4.125KTL-JP
SUN2000-4KTL	SUN2000-4KTL-CN	SUN2000-4KTL-CN-4G
SUN2000-4KTL-CNL0	SUN2000-4KTL-L0	SUN2000-4KTL-L1
SUN2000-5KTL	SUN2000-5KTL-CN	SUN2000-5KTL-CN-4G
SUN2000-5KTL-L0	SUN2000-5KTL-L1	SUN2000-5KTL-US
SUN2000-5KTL-US-4G	SUN2000-6KTL-CNL0	SUN2000-6KTL-L1
SUN2000-7.6KTL-US	SUN2000-7.6KTL-US-4G	SUN2000-7.6KTL-US-Zb
SUN2000-9KTL-US	SUN2000-9KTL-US-4G	SUN2000-10KTL-USL0
SUN2000-11.4KTL-US	SUN2000-11.4KTL-US-4G	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Ingecon Sun 3PLAY 100TL series

TL 100kW	TL 160kW	

Ingecon Sun 3PLAY TL series

10 TL M	15 TL M	20 TL M
24 TL U M480	33 TL M	40 TL M480

Ingecon Sun 3PLAY TL M series

10 TL	20 TL	33 TL

Ingecon Sun Lite series

2.5	2.5 TL	3 TL
3.3	3.3 TL	3.8 TL
3.68 TL	4.6 TL	5
5 TL	6 TL	

Ingecon Sun Power series

50	60	70
80	90	100
100 TL	125 TL	150 TL
180 TL	200 TL	210 TL

Ingecon Sun PowerMax B series

830 TL B300	1000 TL B360	1070 TL B385
1080 TL B390	1110 TL B400	1140 TL B410
1165 TL B420	1170 TL B450	1190 TL B430
1220 TL B440	1250 TL B450	1275 TL B460
1400 TL B540	1500 TL B578	1560 TL B600
1600 TL B615	1640 TL B630	1665 TL B640
1690 TL B650	1740 TL B670	1800 TL B690

Ingecon Sun PowerMax M series

250 TL M220	275 TL M220	315 TL M275
315HE TL M275	350 TL M275	365 TL M320
365HE TL M320	375 TL M220	375 TL NAC M220
380 TL M300	400 TL M320	400 TL M345
400HE TL M345	410 TL M220	420 TL M360
420HE TL M360	440 TL M345	460 TL M360
500 TL M275	500 TL M400	500 TL NAC M220
500HE TL M275	500HE TL NAC M275	520 TL M275
535 TL M420	550 TL M220	550 TL M320
550HE TL M320	550HE TL NAC M320	570 TL M300
600 TL M345	600HE TL M345	600HE TL NAC M345
605 TL M320	625 TL M275	625HE TL M275
625HE TL NAC M275	630 TL M360	630HE TL M360
630HE TL NAC M360	660 TL M345	690 TL M360
695 TL M275	730 TL M320	730HE TL M320
730HE TL NAC M320	750 TL M400	760 TL M300
800 TL M320	800 TL M345	800HE TL M345
800HE TL NAC M345	805 TL M420	840 TL M360
840HE TL M360	840HE TL NAC M360	880 TL M345
920 TL M360	1000 TL M400	1070 TL M420

Ingecon Sun PowerMax X series

275 TL X220	350 TL X275	380 TL X300
400 TL X320	410 TL X220	440 TL X345
460 TL X360	500 TL X400	520 TL X275
535 TL X420	550 TL X220	570 TL X300
605 TL X320	660 TL X345	690 TL X360
695 TL X275	750 TL X400	760 TL X300
800 TL X320	805 TL X420	880 TL X345
920 TL X360	1000 TL X400	1070 TL X420

Ingecon Sun Smart series

10, 12,5kW	15kW	20kW
25kW	30kW	69, 50kW
80, 70kW	100, 90kW	

Ingecon Sun Smart TL series

10 TL	12.5 TL	15 TL
18 TL		

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

Jema

IF 20 / 25 / 30

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF 20 / 25 / 30

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF 50 / 80 / 100

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF 50 / 80 / 100

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF500

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note Jema IF500 devices consist of two inverter modules. During the scan the blue'Log will create an inverter device for each inverter module.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Jema provides the value E_TOTAL for each IF500 via the first inverter module. There are no E_TOTAL values available for the individual inverter modules.

SUPPORTED DEVICES

IF500

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF700

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF700

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF730

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF730

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF765

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF765

Please contact Sales for details of compatibility with devices not listed.
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IF800

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF800

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

IF1050

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF1050

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

IF1100

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF1100

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF1150

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF1150

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF1200

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IF1200

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

KACO new energy
Powador TL3, blueplanet (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please make sure to enable the "Modbus TCP write access" via the inverters display in case the devices should get used for Power Control.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

blueplanet series

blueplanet 3.0 TL1	blueplanet 3.0 TL3	blueplanet 3.5 TL1
blueplanet 3.7 TL1	blueplanet 4.0 TL1	blueplanet 4.0 TL3
blueplanet 4.6 TL1	blueplanet 5.0 TL1	blueplanet 5.0 TL3
blueplanet 6.5 TL3	blueplanet 7.5 TL3	blueplanet 8.6 TL3
blueplanet 9.0 TL3	blueplanet 10.0 TL3	blueplanet 12.0 TL3
blueplanet 14.0 TL3	blueplanet 15.0 TL3	blueplanet 18.0 TL3
blueplanet 20.0 TL3	blueplanet 50.0 TL3	blueplanet 87.0 TL3 - S
blueplanet 92.0 TL3 - S	blueplanet 100.0 TL3 - S	blueplanet 105.0 TL3 - S
blueplanet 110 TL3 - S	blueplanet 125 TL3 - S	blueplanet 137 TL3 - S
blueplanet 150 TL3 - S	blueplanet 155 TL3 - S	blueplanet 165 TL3 - S

Powador series

Powador 30.0 TL3	Powador 33.0 TL3	Powador 36.0 TL3
Powador 39.0 TL3	Powador 39.0 TL3 M1	Powador 40.0 TL3
Powador 48.0 TL3 Park	Powador 60.0 TL3	Powador 72.0 TL3 Park

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

Powador, blueplanet (KACO protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	30
Protocol:	KACO
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Each of the following inverters 20000xi, 25000xi, 30000xi and 33000xi consists of three power modules which data need to be requested individually. Therefore the total amount of those inverters connected to one RS485 bus is limited to 12. (1 "xi" inverter = 1 device)

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is 1000 ms or higher.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T	Temperature
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

blueplanet series

blueplanet 2.0 TL1	blueplanet 2.6 TL1	blueplanet 3.0 TL1 M1
blueplanet 3.0 TL1 M2	blueplanet 3.0 TL3	blueplanet 3.5 TL1
blueplanet 3.7 TL1	blueplanet 4.0 TL1	blueplanet 4.0 TL3
blueplanet 4.6 TL1	blueplanet 5.0 TL1	blueplanet 5.0 TL3
blueplanet 6.5 TL3	blueplanet 7.5 TL3	blueplanet 8.6 TL3 INT
blueplanet 9.0 TL3	blueplanet 10.0 TL3 INT	blueplanet 15.0 TL3
blueplanet 20.0 TL3	blueplanet 29.0 TL3 WM	blueplanet 32.0 TL3 M1 OD
blueplanet 32.0 TL3 M3 OD	blueplanet 40.0 TL3 M1 OD	blueplanet 40.0 TL3 M3 OD
blueplanet 50.0 TL3 M1 OD	blueplanet 50.0 TL3 M3 OD	blueplanet 50.0 TL3 RPO
blueplanet 50.0 TL3 WM	blueplanet 60.0 TL3 M1 OD	blueplanet 60.0 TL3 M3 OD
blueplanet 87 TL3	blueplanet 92 TL3	blueplanet 100 TL3
blueplanet 105 TL3	blueplanet 110 TL3	blueplanet 125 TL3
blueplanet 137 TL3	blueplanet 150 TL3	blueplanet 155 TL3
blueplanet 165 TL3	blueplanet 750 TL3	blueplanet 875 TL3
blueplanet 1000 TL3	blueplanet 1502xi	blueplanet 2502xi
blueplanet 2901xi	blueplanet 3502xi	blueplanet 3601xi
blueplanet 5002xi	blueplanet 6400M	blueplanet 6400xi supreme
blueplanet 7600M	blueplanet 7600xi supreme	blueplanet gridsave 50.0 TL3
blueplanet PVI	blueplanet XP10U-H4	blueplanet XP10U-H6
blueplanet XP83U-H6	blueplanet XP90U-H6	blueplanet XP100U-H2
blueplanet XP100U-H4	blueplanet XP100U-H6	bp voltage source 50.0 TL3

Powador series

Powador 6.0 TL3	Powador 7.8 TL3	Powador 9.0 TL3
Powador 10.0 TL3	Powador 12.0 TL3	Powador 14.0 TL3
Powador 14.0 TR3	Powador 16.0 TR3	Powador 18.0 TL3
Powador 18.0 TR3	Powador 20.0 TL3	Powador 30.0 TL3
Powador 30.0 TL3Y	Powador 33.0 TL3	Powador 36.0 TL3
Powador 36.0 TL3 M1	Powador 37.5 TL3	Powador 37.5 TL3Y
Powador 39.0 TL3	Powador 39.0 TL3 M1	Powador 39.0 TL3Y
Powador 40.0 TL3	Powador 48.0 TL3 Park	Powador 52.0 TL3
Powador 60.0 TL3	Powador 72.0 TL3 Park	Powador 78.0 TL3
Powador 1501xi	Powador 2002	Powador 2500xi
Powador 2501xi	Powador 3000 SE	Powador 3000xi
Powador 3002	Powador 3200	Powador 3500xi
Powador 3501xi	Powador 3600xi	Powador 4000 supreme
Powador 4000xi	Powador 4200	Powador 4202
Powador 4400	Powador 4500xi	Powador 4501xi
Powador 5000xi	Powador 5001xi	Powador 5002
Powador 5300	Powador 5300 supreme	Powador 5500
Powador 6002	Powador 6400 supreme	Powador 6400xi
Powador 6400xi Thinfilm	Powador 6400xi Thinfilm HV	Powador 6600
Powador 6650 supreme	Powador 6650xi	Powador 6650xi Thinfilm
Powador 6650xi Thinfilm HV	Powador 7200 supreme	Powador 7200xi
Powador 7200xi Thinfilm HV	Powador 7700	Powador 7700 supreme
Powador 7900	Powador 7900 supreme	Powador 8000 supreme
Powador 8000xi	Powador 8000xi Thinfilm	Powador 8000xi Thinfilm HV
Powador 8600	Powador 8600 supreme	Powador 9600
Powador 9600 supreme	Powador 20000xi	Powador 25000xi
Powador 30000xi	Powador 33000xi	Powador XP100 (100k)
Powador XP100 (XP100)	Powador XP100-HV	Powador XP200-HV
Powador XP200-HV TL	Powador XP250-HV	Powador XP250-HV TL
Powador XP350-HV TL	Powador XP500-HV TL	Powador XP500-HV TL OD
Powador XP550-HV TL	Powador XP550-HV TL OD	

Schueco series

SGI 9k	SGI 10k	SGI 12k
SGI 13,5k-T	SGI 15k-T	SGI 25k-02 Home
SGI 30k	SGI 30k-02 Home	SGI 33k
SGI 33k-02 Home	SGI 1500T	SGI 1500Tplus-02
SGI 2000	SGI 2000plus-02	SGI 2500
SGI 2500plus-02	SGI 2500Tplus-02	SGI 3000
SGI 3000plus-02	SGI 3500	SGI 3500plus-02
SGI 3500T	SGI 3500Tplus-02	SGI 4000
SGI 4000plus-02	SGI 4000Tplus-02	SGI 4500
SGI 4500plus-02	SGI 4500T	SGI 4500Tplus-02
SGI 5500	SGI 5500plus-02	

SunPower series

SPR-2600K-TL-1	SPR-3600K-TL-1	SPR-4600K-TL-1
SPR-5500K-TL-1	SPR-9000K-TL3	SPR-10000K-TL3
SPR-12500K-TL3		

Sunset series

SUN3Grid 3000	SUN3Grid 3000-02	SUN3Grid 4000
SUN3Grid 4000-02	SUN3Grid 5000	SUN3Grid 5000-02
SUN3Grid 6000	SUN3Grid 6000-02	SUN3Grid 8000
SUN3Grid 8000-02	SUNstring 3000	SUNstring 3000-02
SUNstring 4000	SUNstring 4000-02	SUNstring 5000
SUNstring 5000-02		

Please contact Sales for details of compatibility with devices not listed.
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Kostal
PIKO

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	KOSTAL
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	0.2 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Only inverters with firmware version ≥ 3.50 support active Power Control.
For reactive Power Control the inverters need to be equipped with firmware ≥ 3.90

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PIKO series

PIKO 3.0	PIKO 3.6	PIKO 4.2
PIKO 4.6	PIKO 5.5	PIKO 5.5 10A
PIKO 7.0	PIKO 8.3	PIKO 8.5
PIKO 10	PIKO 10.1	PIKO 12
PIKO 15	PIKO 17	PIKO 20
PIKO 36 EPC		

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PIKO IQ/PLENTICORE plus

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	1502
Default address:	71
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ Please note for Kostal inverters which provide battery values connection of maximum 50 devices to one blue'Log is possible.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PIKO IQ series

PIKO IQ 4.2	PIKO IQ 5.5	PIKO IQ 7.0
PIKO IQ 8.5	PIKO IQ 10	

PLENTICORE plus series

PLENTICORE plus 4.2	PLENTICORE plus 5.5	PLENTICORE plus 7.0
PLENTICORE plus 8.5	PLENTICORE plus 10	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Kstar
KSG1K-60K

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ The driver supports the address range 1 to 32. The address 0 does not get supported.
The maximum number of 32 devices can get connected to one bus interface.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

KSG1.5KSM3	KSG1KSM3	KSG2KSM3
KSG3.2KDM3	KSG3KSM3	KSG4KDM3
KSG5KDM3	KSG6KDM3/KSG10K	KSG12.5K
KSG15K	KSG17K	KSG20K
KSG25KHV	KSG30K	KSG36KHV
KSG40K	KSG50K	KSG50KHV
KSG60K	KSG60KHV	

Please contact Sales for details of compatibility with devices not listed.
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LTi ReEnergy
PVMaster II/III

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Up to 10 LTi String Combiner Boxes can get connected to a PVMaster II/ III inverter.
Depending on the amount of String Combiner Boxes connected the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x PVMaster II/ III with 10 LTi String Combiner Boxes = 11 devices).

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T	Temperature
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

LTi String Combiner Boxes	PVMaster II	PVMaster III

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

neoom

BLOKK inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy from storage system
B_E_IMP	Energy to storage system
B_I_DC	Battery current
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

BLOKK inverter

ⓘ Please note neeom BLOKK solutions can consist of up to 10 batteries + 32 inverter devices (e.g. 1 battery + 4 inverters = 5 devices on blue'Log) . Depending on the neeom BLOKK solution onsite the total amount of devices vary that can be connected to one blue'Log.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	49
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	10
Timings	
Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Power Electronics inverters from the series HEM, HEMK consist of several inverter modules (up to 10) and Disconnecting Units (1 per inverter). Depending on the combination of modules and Disconnecting Units the total amount of devices varies that can be connected to one blue'Log (e.g. 1 Power Electronics inverter with 6 inverter modules + 1 Disconnecting Units = 8 devices).

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ The driver does not support Measurement values of the "String Supervisor" from Power Electronics.

SUPPORTED DEVICES

HE series

FS0100IH	FS0200IH	FS0230IH
FS0250IH	FS0280IH	FS0300IH
FS0340IH	FS0380IH	FS0400IH
FS0420IH	FS0460IH	FS0500IH
FS0501IH	FS0560IH	FS0570IH
FS0600IH	FS0630IH	FS0680IH
FS0700IH	FS0701IH	FS0750IH
FS0800IH	FS0801IH	FS0830IH
FS0880IH	FS0900IH	FS0910IH
FS0970IH	FS1000IH	FS1001IH
FS1030IH	FS1110IH	FS1130IH
FS1140IH	FS1250IH	FS1251IH
FS1390IH		

HECplus series

FS1000OH	FS1003CH	FS1051CH
FS1112CH	FS1162CH	FS1201CH
FS1271CH	FS1331CH	FS1391CH
FS1401CH	FS1480CH	FS1550CH
FS1600CH	FS1620CH	FS1690CH
FS1770CH	FS1800CH	FS1850CH
FS1901CH	FS1991CH	FS2000CH
FS2081CH	FS2110CH	FS2200CH
FS2300CH		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HEM series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Power Electronics inverters from the series HEM, HEMK consist of several inverter modules (up to 10) and string combiner (1 per inverter).
Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 Power Electronics inverter with 6 inverter modules + 1 string combiner = 8 devices).

For a successful scan the inverter needs to be configured to one of the following operation modes: Standard, Modular or HEM. The operation mode STATCOM does not get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

HEM series series

FS3190M	FS3270M	FS3350M
FS3430M	FS3510M	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HEMK series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Power Electronics inverters from the series HEM, HEMK consist of several inverter modules (up to 10) and string combiner (1 per inverter).
Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 Power Electronics inverter with 6 inverter modules + 1 string combiner = 8 devices).

For a successful scan the inverter needs to be configured to one of the following operation modes: Standard, Modular or HEM. The operation mode STATCOM does not get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

HEMK series series

FS2000K	FS2050K	FS2100K
FS2125K	FS2150K	FS2180K
FS2200K	FS2235K	FS2285K
FS2300K	FS2340K	FS2445K
FS3000K	FS3075K	FS3150K
FS3190K	FS3225K	FS3270K
FS3300K	FS3350K	FS3430K
FS3450K	FS3510K	FS3670K

Please contact Sales for details of compatibility with devices not listed.
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RCT Power
Inverter 4.0 / 5.0 / 6.0

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Inverter series

Power Inverter 4.0	Power Inverter 5.0	Power Inverter 6.0

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
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REFU / Siemens / Schueco / LSIS / Satcon / Advanced Energy
REFUsol, SINVERT PVM, IPE, LSRP, Equinox LC, 3TL (USS Protocol)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	31
Protocol:	USS_ETHERNET
Port:	21062
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	USS_SERIAL
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	57600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	0

Timings

Timeout:	0.5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ If meteocontrol protocol is selected in the inverter settings, 8N1 (Data bits 8 bits / Parity None / Stop bit 1 bit) must be selected as frame settings for successful scanning.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Only inverters with software version ≥ 29.21 are supporting Power Control.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

AE 3TL series

AE 3TL 8-IEC (CPV Gen 3)	AE 3TL 8-IEC (Gen 3)	AE 3TL 10-IEC (CPV Gen 3)
AE 3TL 10-IEC (Gen 3)	AE 3TL 10-KR	AE 3TL 12-UL (500V AFCI Gen 2)
AE 3TL 12-UL (500V Gen 2)	AE 3TL 12-UL (500V Gen 3)	AE 3TL 12-UL (1000V AFCI Gen 2)
AE 3TL 12-UL (1000V Gen 2)	AE 3TL 12-UL (1000V Gen 3)	AE 3TL 13-IEC (CPV Gen 2)
AE 3TL 13-IEC (CPV Gen 3)	AE 3TL 13-IEC (Gen 2)	AE 3TL 13-IEC (Gen 3)
AE 3TL 13-KR	AE 3TL 16-UL (500V AFCI Gen 2)	AE 3TL 16-UL (500V Gen 2)
AE 3TL 16-UL (500V Gen 3)	AE 3TL 16-UL (1000V AFCI Gen 2)	AE 3TL 16-UL (1000V Gen 2)
AE 3TL 16-UL (1000V Gen 3)	AE 3TL 17-IEC (CPV Gen 2)	AE 3TL 17-IEC (CPV Gen 3)
AE 3TL 17-IEC (Gen 2)	AE 3TL 17-IEC (Gen 3)	AE 3TL 17-KR
AE 3TL 20-IEC (CPV Gen 2)	AE 3TL 20-IEC (CPV Gen 3)	AE 3TL 20-IEC (Gen 2)
AE 3TL 20-IEC (Gen 3)	AE 3TL 20-KR	AE 3TL 20-UL (500V AFCI Gen 2)
AE 3TL 20-UL (500V Gen 2)	AE 3TL 20-UL (500V Gen 3)	AE 3TL 20-UL (1000V AFCI Gen 2)
AE 3TL 20-UL (1000V Gen 2)	AE 3TL 20-UL (1000V Gen 3)	AE 3TL 23-IEC (Gen 2)
AE 3TL 23-IEC (MV Gen 3)	AE 3TL 23-KR (MV)	AE 3TL 23-UL (500V AFCI Gen 2)
AE 3TL 23-UL (500V Gen 2)	AE 3TL 23-UL (500V Gen 3)	AE 3TL 23-UL (1000V AFCI Gen 2)
AE 3TL 23-UL (1000V Gen 2)	AE 3TL 23-UL (1000V Gen 3)	AE 3TL 24-JP (1000V)
AE 3TL 24-UL (1000V Gen 3)	AE 3TL 40-IEC	AE 3TL 40-KR
AE 3TL 46-IEC (MV)	AE 3TL 46-KR (MV)	

Equinox LC series

Equinox LC CE 8kw	Equinox LC CE 10kw	Equinox LC CE 13kw
Equinox LC CE 17kw	Equinox LC CE 20kw	Equinox LC UL 12kw
Equinox LC UL 16kw	Equinox LC UL 20kw	Equinox LC UL 24kw

IPE series

IPE 010 CN 04	IPE 013 CN 04	IPE 017 CN 04
IPE 020 CN 04	IPE 8000 SN 04 SN 04	

LSRP series

LSRP-T010L	LSRP-T013L	LSRP-T017L
LSRP-T020L		

REFUsol series

REFUsol 08K	REFUsol 008K	REFUsol 008K (CPV)
REFUsol 10K	REFUsol 010K	REFUsol 010K (CPV)
REFUsol 10K with Performer	REFUsol 10K with Performer (Belgium)	REFUsol 11K
REFUsol 12K	REFUsol 12K grounded	REFUsol 12K with Performer
REFUsol 012K-UL	REFUsol 013K	REFUsol 13K
REFUsol 013K (CPV)	REFUsol 15K	REFUsol 15k control cabinet
REFUsol 15K grounded Modules	REFUsol 15K with Performer	REFUsol 15K without DC switch
REFUsol 016K	REFUsol 016K-UL	REFUsol 017K
REFUsol 17K	REFUsol 017K (CPV)	REFUsol 20K
REFUsol 020K	REFUsol 020K (CPV)	REFUsol 020K (SCI)
REFUsol 020K grounded Modules	REFUsol 020K-UL	REFUsol 22-JP
REFUsol 023K-460 VAC	REFUsol 23K-MV	REFUsol 24-UL
REFUsol 24-UL (AFCI)	REFUsol 024K-UL	REFUsol 40K
REFUsol 46K-MV	REFUsol 48K-UL	REFUsol 48K-UL (AFCI)
REFUsol 100K	REFUsol 100KW	REFUsol 100KW 430VDC Spain
REFUsol 100KW DE	REFUsol 100KW ES	REFUsol 100KW IT
REFUsol 160KW	REFUsol 333K	REFUsol 500KW
REFUsol 630K		

SINVERT PVM series

SINVERT PVM10	SINVERT PVM12 UL	SINVERT PVM13
SINVERT PVM16 UL	SINVERT PVM17 4DC	SINVERT PVM17 6DC
SINVERT PVM20	SINVERT PVM20 UL	SINVERT PVM24 UL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SAJ

Suntrio Plus

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Suntrio Plus

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Santerno
Sunway TG

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunway TG series

Sunway TG 14 600V	Sunway TG 19 600V	Sunway TG 26 600V
Sunway TG 35 800V	Sunway TG 42 600V	Sunway TG 57 800V
Sunway TG 61 600V	Sunway TG 82 800V	Sunway TG 82 800V LT
Sunway TG 90 600V	Sunway TG 100 800V	Sunway TG 110 600V
Sunway TG 120 800V	Sunway TG 120 800V LT	Sunway TG 135 600V
Sunway TG 145 800V	Sunway TG 145 800V LT	Sunway TG 175 800V TE
Sunway TG 180 600V TE	Sunway TG 230 600V TE	Sunway TG 240 800V TE
Sunway TG 280 600V TE	Sunway TG 290 600V TE	Sunway TG 300 800V TE
Sunway TG 310 800V TE	Sunway TG 365 600V TE	Sunway TG 385 800V TE
Sunway TG 455 600V TE	Sunway TG 485 800V TE	Sunway TG 550 600V TE
Sunway TG 610 800V TE	Sunway TG 610 1000V TE	Sunway TG 610 1000V TE LT
Sunway TG 610 1100V TE	Sunway TG 730 800V TE	Sunway TG 750 900V TE
Sunway TG 750 1000V TE	Sunway TG 760 1000V TE	Sunway TG 900 1500V TE
Sunway TG 1200 1000V TE	Sunway TG 1200 1100V TE	Sunway TG 1800 1500V TE

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Satcon
PowerGate Plus < 100kW

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PowerGate Plus 30 | PowerGate Plus 50 | PowerGate Plus 75

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PowerGate Plus 100	PowerGate Plus 135	PowerGate Plus 250
PowerGate Plus 375	PowerGate Plus 500	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	54
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Inverters of the Schneider Electric Conext CL 18/20/25 kVA series support different reactive power methods depending on the country setting of the inverter. (please see inverter manufacturer documentation for more information).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Conext CL series

Conext CL 60A	Conext CL 60E	Conext CL 125
PVSCL18NA	PVSCL20E	PVSCL25E
PVSCL25NA		

Conext CL 36 series

Conext CL 36

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COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	80
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ You must activate the PVCQ mode from the inverter via user interface to use the Remote power compensation function.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Conext Core XC series

XC540	XC540-BB	XC630
XC630-BB	XC680	XC680-BB

Please contact Sales for details of compatibility with devices not listed.
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Conext SmartGen

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Schneider Electric Conext Smartgen inverters consist of 2 inverter modules and one meter. Therefore the total amount of Smartgen inverters is limited to 33. (33 x 3 submodules = 99 devices).

ⓘ Please note that IP address range from 192.168.0.0 to 192.168.0.255 is reserved by Schneider Electric Conext SmartGen inverters. Please make sure that IP addresses in this range do net get used by other devices.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
P_AC	Power AC
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ The values from the meter module (M_XX_XX) are displayed in the meter device category.

SUPPORTED DEVICES

Conext SmartGen CE series

CS1800	CS2000	CS2200
CS2400		

Conext SmartGen NA series

CS1666-1-NA	CS1666-2-NA	CS1666-3-NA
CS1800	CS2000	CS2200
CS2400		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
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Shenzhen INVT Electric

iMars series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	19
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

BG1K2TL	BG1K5TL	BG3KTL
BG4KTL	BG4KTR	BG5KTL
BG5KTR	BG6KTL	BG6KTR
BG8KTR	BG10KTR	BG12KTR
BG15KTR	BG17KTR	BG20KTR
BG25KTR	BG30KTR	BG40KTR
EG4K6TL	EG4K6TL-2M	EG4KTL
EG4KTL-2M	EG5KTL	EG5KTL-2M
MG1K5TL	MG1KTL	MG2KTL
MG3KTL	MG3KTL-2M	MG4K6TL
MG4K6TL-2M	MG4KTL	MG4KTL-2M
MG5KTL	MG5KTL-2M	

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

SIEL

10TL Solar Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

10TL Solar Inverter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Monophase Solar Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC	Current AC
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Monophase Solar Inverter

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

Solar Converter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Solar Converter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Soleil

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Soleil

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Siliken

SE100

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SE100

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMA
SC (SMA Data)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	31
Protocol:	SMA_DATA_ETHERNET
Port:	24272
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	SMA_DATA
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings	
Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ In case String Boxes from SMA should be connected to inverters from SMA the blue'Log would automatically create a string combiner device for every String Box connected during the inverter scan.
Depending on the amount of string boxes connected to each inverter the total amount of devices varies that can be connected to one blue'Log.
e.g. 1 x SMA inverter + 5 x String boxes = 6 devices for the blue'Log

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SC series

SC 100	SC 100LV	SC 125LV
SC 150	SC 200	SC 200HE
SC 250	SC 250HE	SC 350
SC 350HE	SC 400HE-11	SC 400LV-11
SC 500HE	SC 500HE-10	SC 500HE-11
SC 560HE	SC 560HE-10	SC 560HE-11
SC 630HE-10	SC 630HE-11	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SHP3, STP, SB, SBS, SI (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	126
Remote Device Access:	No

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ SMA inverters require Speedwire/Webconnect interfaces for communication via SMA SunSpec.
In addition, the Modbus TCP server of the inverters needs to be activated, since this is deactivated at the factory for the supported SMA devices (please see inverter manufacturer documentation for more information).

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note with SMA inverters it is not possible to use the option "Method switch" in case it should get switched between "Reactive power control - Q control" and "Power factor control - Cos φ control" via Modbus. The inverters do not support the switch between those methods via Modbus.
ⓘ Before being able to do Power Control with SMA inverters it is neccessary to set the Power Control mode (P_AC, Q_AC, COS_PHI) at the inverters.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunny Highpower PEAK3 series

SHP 100-20	SHP 100-JP-20	SHP 125-US-20
SHP 150-20	SHP 150-JP-20	SHP 150-US-20

Sunny Island series

Sunny Island 3.0M	Sunny Island 4.4M	Sunny Island 6.0H
Sunny Island 8.0H		

Sunny Tripower series

STP 3.0	STP 4.0	STP 5.0
STP 6.0	STP 8.0	STP 10.0
STP 50-40 (CORE1)	STP 50-JP-40 (CORE1-JP)	STP 50-US-40 (CORE1-US)
STP 5000TL-20	STP 6000TL-20	STP 7000TL-20
STP 8000TL-20	STP 9000TL-20	STP 10000TL-10
STP 10000TL-20	STP 10000TLEE-JP-10	STP 10000TLEE-JP-11
STP 11000TL-20	STP 12000TL-10	STP 12000TL-20
STP 12000TL-US-10	STP 15000TL-10	STP 15000TL-30
STP 15000TL-US-10	STP 15000TLEE-10	STP 17000TL-10
STP 20000TL-30	STP 20000TL-US-10	STP 20000TLEE-10
STP 20000TLEE-JP-11	STP 24000TL-US-10	STP 25000TL-30
STP 25000TL-JP-30	STP 30000TL-US-10	STP33-US-41 (STP33-US-41)
STP50-41 (STP50-41)	STP50-JP-41 (STP50-JP-41)	STP50-US-41 (STP50-US-41)
STP62-US-41 (STP62-US-41)		

SunnyBoy series

SB 2500TLST-21	SB 3000TL-21	SB 3000TL-US-22
SB 3000TLST-21	SB 3500TL-JP-22	SB 3600SE-10
SB 3600TL-21	SB 3800TL-US-22	SB 4000TL-21
SB 4000TL-US-22	SB 4500TL-JP-22	SB 5000SE-10
SB 5000TL-21	SB 5000TL-US-22	SB 6000TL-US-22
SB 7000TL-US-22	SB 7700TL-US-22	SB1.5-1VL-40
SB2.5-1VL-40	SB3.0-1AV-40	SB3.0-1SP-US-40
SB3.6-1AV-40	SB3.8-1SP-US-40	SB4.0-1AV-40
SB5.0-1AV-40	SB5.0-1SP-US-40	SB6.0-1SP-US-40
SB7.0-1SP-US-40	SB7.7-1SP-US-40	

SunnyBoy Storage series

SBS2.5-1VL-40

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMA Modbus

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	3
Remote Device Access:	No

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note when connecting SMA Sunny Islands the total amount of devices varies that can be connected to one blue'Log. 1 x Sunny Island consists of 1 x inverter, 1 x battery and 1 x meter device on the blue'Log. The blue'Log will automatically set up the devices during the scan.

ⓘ Please note only Client / Slave IDs from 3-123 are supported by SMA.

ⓘ Please note with SMA inverters it is not possible to use the option "Method switch" in case it should get switched between "Reactive power control - Q control" and "Power factor control - Cos φ control" via Modbus. The inverters do not support the switch between those methods via Modbus.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please note with SMA inverters it is not possible to use the option "Method switch" in case it should get switched between "Reactive power control - Q control" and "Power factor control - Cos φ control" via Modbus. The inverters do not support the switch between those methods via Modbus.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy from storage system
B_E_IMP	Energy to storage system
B_I_DC	Battery current
B_LIM_I_CHARGE	Maximum charge current
B_LIM_I_DISCHARGE	Maximum discharge current
B_LIM_U_DISCHARGE	Battery final cut-off voltage
B_OT_TOTAL	Operating Hours
B_SOH	Current battery capacity in %
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunny Highpower PEAK1 series

SHP 100-20 (SHP 100k-20)	SHP 100-JP-20 (SHP 100k-JP-20)	SHP 125-US-20 (SHP 125k-US-20)
SHP 150-20 (SHP 150k-20)	SHP 150-JP-20 (SHP 150k-JP-20)	SHP 150-US-20 (SHP 150k-US-20)

Sunny Island series

SI3.0M-11	SI4.4M-11	SI4.4M-12
SI4.4M-13	SI6.0H-11	SI6.0H-12
SI6.0M-13	SI8.0H-11	SI8.0H-12
SI8.0M-13		

Sunny Tripower series

STP 5000TL-20	STP 6000TL-20	STP 7000TL-20
STP 8000TL-10	STP 8000TL-20	STP 9000TL-20
STP 10000TL-10	STP 10000TL-20	STP 10000TLEE-JP-10
STP 10000TLEE-JP-11	STP 11000TL-20	STP 12000TL-10
STP 12000TL-20	STP 12000TL-US-10	STP 15000TL-10
STP 15000TL-30	STP 15000TL-US-10	STP 15000TLEE-10
STP 17000TL-10	STP 20000TL-30	STP 20000TL-US-10
STP 20000TLEE-10	STP 20000TLEE-JP-11	STP 24000TL-US-10
STP 24500TL-JP-30	STP 25000TL-30	STP 25000TL-JP-30
STP 30000TL-US-10	STP33-US-41 (STP33-US-41)	STP50-40 (STP50-40)
STP50-41 (STP50-41)	STP50-JP-40 (STP50-JP-40)	STP50-JP-41 (STP50-JP-41)
STP50-US-40 (STP50-US-40)	STP50-US-41 (STP50-US-41)	STP62-US-41 (STP62-US-41)

SunnyBoy series

SB 1.5	SB 2.5	SB 2500TLST-21
SB 3000TL-21	SB 3000TL-JP-22	SB 3000TL-US-22
SB 3000TLST-21	SB 3500TL-JP-22	SB 3600SE-10
SB 3600TL-21	SB 3800TL-US-22	SB 4000TL-21
SB 4000TL-JP-22	SB 4000TL-US-22	SB 4500TL-JP-22
SB 5000SE-10	SB 5000TL-21	SB 5000TL-US-22
SB 5400TL-JP-22	SB 6000TL-US-22	SB 7000TL-US-22
SB 7700TL-US-22		

SunnyBoy Storage series

SBS 2.5

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	84
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SOLID-Q 50

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLID-Q PRO 60

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	84
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SOLID-Q PRO 60

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

STP 60, STPS 60, SHP 1 (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	126
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For communication with the inverters a SMA Inverter Manager is required.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunny Highpower PEAK1 series

SHP 75-10	SHP 75-JP-10

Sunny Tripower series

STP 60-10	STP 60-JP-10

Sunny Tripower Storage series

STPS 60-10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

STP, SB, SMC (SMA Data)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	SMA_DATA
Bus speed:	1200 bps, 19200 bps
Bus speed default:	1200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

ⓘ For each device it takes about 2-3 minutes after the SCAN process is finished before the monitoring of the measurement values starts.

SUPPORTED DEVICES

SUNNY BOY series

SB 700-US	SB 1200	SB 1500TL
SB 1700	SB 2000HF	SB 2000HF-US
SB 2100TL	SB 2500	SB 2500HF
SB 2500HF-US	SB 3000	SB 3000-US
SB 3000HF	SB 3000TL	SB 3000TL RPC
SB 3000TLST-21	SB 3300	SB 3800
SB 3800-US	SB 4000-US	SB 4000TL
SB 4000TL RPC	SB 5000-US	SB 5000TL
SB 5000TL RPC	SB 6000-US	SB 7000-US
SB 8000-US	SB 8000TL-US	SB 9000TL-US
SB 10000TL-US	SB 11000TL-US	SB3.0-1AV-41
SB3.6-1AV-41	SB4.0-1AV-41	SB5.0-1AV-41
SB6.0-1AV-41		

SUNNY MINI CENTRAL series

SMC 4600A	SMC 5000A	SMC 6000A
SMC 6000TL	SMC 7000HV	SMC 7000TL
SMC 8000TL	SMC 9000TL	SMC 9000TL RPC
SMC 10000TL	SMC 10000TL RPC	SMC 11000TL
SMC 11000TL RPC		

SUNNY TRIPOWER series

STP 5000TL-20	STP 6000TL-20	STP 7000TL-20
STP 8000TL	STP 8000TL-20	STP 9000TL-20
STP 10000TL-20	STP 10000TLEE-JP-10	STP 10000TLEE-JP-11
STP 12000TL	STP 12000TL-20	STP 12000TL-US-10
STP 15000TL-10 Econ. Exc.	STP 15000TL-30	STP 15000TL-US
STP 17000TL	STP 20000TL-10 Econ. Exc.	STP 20000TL-30
STP 20000TL-US-10	STP 20000TLEE-JP	STP 24000TL-US-10
STP 25000TL-30	STP 30000TL-US-10	STP3.0-3AV-40
STP4.0-3AV-40	STP5.0-3AV-40	STP6.0-3AV-40
STP8.0-3AV-40	STP10.0-3AV-40	

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Sunny Central (1760-4600)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	3
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ blue'Log IP address must be added to the Modbus whitelist of the inverter. Otherwise the Modbus read and write requests will be blocked from the inverter and the communciation between blue'Log and inverter doesn't work. Either enter the IP Address manually or activate the learning mode of the inverter which is then 24 h active. The features "GSM" and "READ" must be active.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Find below mapping for T (1,...x):
T1 = Temperature in the AC range
T2 = Temperature in the DC range
T3 = Temperature in the electronics area
T4 = Temperature of the MV transformer

SUPPORTED DEVICES

Sunny Central series

SC 1760-US	SC 1850-US	SC 2000-EV-US
SC 2000-US	SC 2200	SC 2200-US
SC 2475	SC 2500-EV	SC 2500-EV-US
SC 2750-EV	SC 2750-EV-US	SC 3000-EV
SC 4000 UP	SC 4000 UP-US	SC 4200 UP
SC 4200 UP-US	SC 4400 UP	SC 4400 UP-US
SC 4600 UP	SC 4600 UP-US	

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Sunny Central (CP, CP-US, CP-JP, HE)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	Yes

Timings

Timeout:	5 seconds
Delay:	0.25 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Recommendation for 1 minute interval data is to limit the maximum number of devices per WebBox / SC-COM to 6. (typical 1 Inverter and 5 String Monitoring Units)

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Power Control is only supported if the inverter is equipped with SC-COM. If the inverter is equipped with WebBox please contact SMA service about an upgrade to SC-COM.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunny Central series

SC 250HE	SC 400HE-11	SC 500CP
SC 500CP-JP	SC 500CP-US	SC 500CP-US 600V
SC 500HE-10 / SC 500HE-11	SC 500HE-20	SC 630CP
SC 630CP-JP	SC 630CP-US	SC 630HE-11
SC 630HE-20	SC 720CP	SC 720CP-US
SC 720HE-20	SC 750CP-US	SC 760CP
SC 760HE-20	SC 800CP	SC 800CP-JP
SC 800CP-US	SC 800HE-20	SC 850CP
SC 850CP-US	SC 900CP	SC 900CP-US
SC 1000CP		

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Socomec
SUNSYS

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	61
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

P02	P03

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SOFARSOLAR

Sofar 1-40KW

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note for connection via Modbus TCP only Client / Slave IDs from 1-31 are supported by SOFARSOLAR.

ⓘ Please note for connection via Modbus RTU only bus addresses from 1-31 are supported by SOFARSOLAR.

POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sofar 1-40KW series

TL30000	TL33000	TL36000
TL40000		

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SolarEdge
SE (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only devices with firmware 3.2462 or higher get supported.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Switching between different active/reactive power control setpoint methods may lead to a stop in production of the SolarEdge inverters of up to 10 seconds. This may affect operation with many power control setpoint methods.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SE series

SE3K	SE4K	SE5K
SE6K	SE7K	SE8K
SE9K	SE10K	SE10KUS
SE12.5K	SE15K	SE16K
SE17K	SE20KUS	SE25K
SE27.6K	SE33.3K	SE33.3KUS
SE50K	SE55K	SE66.6K
SE82.8K	SE100K	SE1000M
SE1500M	SE2000M	SE2200H
SE3000H	SE3500H	SE3680H
SE4000H	SE5000H	

ⓘ Meters connected to the CCG do not get supported.

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SolarMax

SolarMax Inverter (MaxComm Protocol)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	MAX_COMM_ETHERNET
Port:	12345
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	MAX_COMM_SERIAL
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	3 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.
C series string inverters (2000C - 6000C) don't support Power Control.
S, P, and TP series string inverters support only active Power Control.
C, C-SV, S, and TS (not TS-SV) series central inverters support only active Power Control.
6MT2 CH, 12MT2 A, 15MT3 A and 18MT3 A inverters support only active Power Control.
Only 330, 660, 990, 1320 TS-SV inverters with software version ≥ 1.0.16053 are supporting PowerControl.
Only 360, 720, 1080, 1440 TS-SV inverters with software version ≥ 1.0.16086 are supporting PowerControl.
Only MT inverters with software version ≥ 1.0.16830 are supporting PowerControl.
Only P inverters with software version ≥ 2.1.0 are supporting active PowerControl.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Central inverters series

20	20C	25C
30	30C	35C
40	45	50C
50TS	60	75TS A
80C	80TS	100
100C	100TS	125
300C	300TS MT	300TS ST
330C-SV	330TS-SV MT	330TS-SV ST
360TS-SV MT	360TS-SV ST	660TS-SV MT
660TS-SV ST	720TS-SV MT	720TS-SV ST
990TS-SV MT	990TS-SV ST	1080TS-SV MT
1080TS-SV ST	1320TS-SV MT	1320TS-SV ST
1440TS-SV MT	1440TS-SV ST	

String inverters series

4TP	5TP2	6MT2
6MT2 CH	6SMT	6TP2
7TP2	8MT2	8SMT
10MT	10MT2	10SMT
12MT2 A	13MT2	13MT3
13SMT	15MT2	15MT3
15MT3 A	15SMT	17SHT
18MT3 A	18MT3 SV	20HT2
20HT4	20S	20SHT
22SHT	25HT2	25HT4
25SHT	28SHT	30HT4
30S	30SHT	32HT2
32HT4	35S	1000SP
1500SP	2000	2000C
2000E	2000P	2000S
2000SP	2500SP	3000
3000C	3000E	3000P
3000S	3000SP	3600SP
4000	4000C	4000E
4000P	4000SP	4200C
4200S	4600P	4600SP
5000P	5000SP	6000C
6000E	6000S	

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Solax Power
X3 Hybrid

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ In order to use the "Fast stop" feature on the blue'Log it is neccessary to enable the functionality at the Solax inverters first. To enable "Fast stop" the "Inverter advanced interface password" has to be send via Modbus to register "0" by using function code 6.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_I_DC	Battery current
B_P_DC	Battery power
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

X3 Hybrid series

X3-Hybrid-5.0-D-C	X3-Hybrid-5.0-D-E	X3-Hybrid-5.0-N-C
X3-Hybrid-5.0-N-E	X3-Hybrid-6.0-D-C	X3-Hybrid-6.0-D-E
X3-Hybrid-6.0-N-C	X3-Hybrid-6.0-N-E	X3-Hybrid-8.0-D-C
X3-Hybrid-8.0-D-E	X3-Hybrid-8.0-N-C	X3-Hybrid-8.0-N-E
X3-Hybrid-10.0-D-C	X3-Hybrid-10.0-D-E	X3-Hybrid-10.0-N-C
X3-Hybrid-10.0-N-E		

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SunGrow

SG 3125-3400HV/HV-MV

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	5 seconds
Delay:	0.025 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Sungrow Turnkey Stations consist of several module/inverter units. This affects the total amount of devices that can be connected to the blue'Log. This station consists of 4 devices (3 inverter and 1 string combiner).

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SG3125HV	SG3125HV-MV	SG3400HV
SG3400HV-MV		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SG1 - SG250 (string inverter)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8O1, 8O2, 8N1, 8N2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Direct connection via Modbus TCP of capable Sungrow inverters to blue'Log does not get recommended.
ⓘ For connection of blue'Log to Sungrow inverters via Sungrow Logger1000/3000 the below software versions are required for the Sungrow Loggers:

-Logger3000: LOGGER-SV200.001.00.P003

-Logger1000: LOGGER-SV300.001.00.P003

In case blue'Log should get connected via RS485 to Sungrow Logger1000/3000 recommendation is to not connect more than 20 inverters to a single RS485 interface of the Logger1000/3000.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

String Inverter series

LP_P34KSG	SG2K5-S	SG3K6-D
SG3KTL-EC	SG4K6-D	SG4KTL
SG4KTL-EC	SG5KTL-EC	SG5KTL-MT
SG6KTL-EC	SG6KTL-MT	SG8KTL-EC
SG8KTL-M	SG10KTL	SG10KTL-EC
SG10KTL-M	SG10KTL-MT	SG12KTL
SG12KTL-EC	SG12KTL-M	SG15KTL
SG15KTL-M	SG16K6J	SG17KTL-M
SG20KTL	SG20KTL-M	SG20KU
SG25CX-SA	SG30CX	SG30KJ
SG30KTL	SG30KTL_V31	SG30KTL-M
SG30KTL-M-V31	SG30KU	SG33CX
SG33CX-US	SG33K3J	SG33KTL-M
SG33KTL-M-20	SG33KTL-M-V2	SG34KJ
SG36KTL	SG36KTL-M	SG36KTL-M-20
SG36KTL-M-V2	SG36KU	SG40CX
SG40KTL	SG40KTL_V21	SG40KTL-M
SG49K5J	SG50CX	SG50KTL
SG50KTL-M	SG50KTL-M-20	SG50KTL-M-V2
SG55CX-US	SG60KTL	SG60KTL-M
SG60KU	SG60KU-M	SG80BF
SG80HV	SG80KTL	SG80KTL-M
SG80KTL-M-20	SG85BF	SG100CX
SG100CX-JP	SG100K3	SG110CX
SG110HV-M	SG111HV	SG125HV
SG125HV-20	SG132TX	SG136TX
SG150TX	SG225HX	SG250HX
SG250HX-IN	SG250HX-US	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SG500 - SG2500 HV/MV (turnkey station)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	63
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Sungrow Turnkey Stations consist of several module/inverter units (up to 4).
Depending on the amount of module/inverter units the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x Sungrow Turnkey Station with 4 module/inverter units = 4 devices).

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Turnkey Station series

SG500MX	SG500MX-M	SG630MX
SG630MX-M	SG750MX	SG800MX
SG1000	SG1000HV	SG1000MX
SG1250	SG1250-MV	SG1250HV
SG1250UD	SG1500/SG1500UD	SG1500HV
SG2000	SG2000-MV	SG2500
SG2500-MV	SG2500HV	SG2500HV-MV
SG2500U	SG2500UD	SG2500UD-MV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunSpec Alliance
Compatible inverter

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ If the device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to one blue'Log.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Compatible inverter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunways
STS, STT

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	43
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

STS series

STS-3.6KTL	STS-3KTL	STS-4.2KTL
STS-4.6KTL	STS-5KTL	

STT series

STT-6KTL	STT-8KTL	STT-10KTL
STT-12KTL	STT-15KTL	STT-17KTL
STT-20KTL	STT-25KTL	STT-50KTL
STT-60KTL	STT-70KTL-HV	STT-75KTL-HV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tabuchi Electric
MBX03_US2

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MBX03_US2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L0100	PVF-T0100	PVF-T0100-S
PVF-T0100R		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 175

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVG-L0175	PVL-L0175

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 250

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L0250	PVF-T0250	PVG-L0250
PVL-L0250		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 490

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L490

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L0500	PVL-L0500	PVL-L0500E
PVL-L0500E(J)	PVI-L0500E-D	PVL-L0500E-S
PVL-L0500U		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 630

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVL-L0630E	PVL-L0630E(J)	PVL-L0630E-D
PVL-L0630E-S	PVL-L0630U	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 665

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L0665E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 675

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L0675E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 750

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L0750	PVL-L0750E	PVL-L0750E-S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 833

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L0833GR

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1000

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L1000	PVL-L1000E(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1000ERM

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L1000ERM(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1250

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVH-L1250ER(J)	PVL-L1250ER(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1667

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVL-L1250ER(J)	PVL-L1667GR	PVL-L1667GRQ

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1833

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVL-L1833ERM	PVL-L1833GR	PVL-L1833GRM
PVL-L1833GRQ		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 2220

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L2220E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L2500ER(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 2550

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L2550E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 2700

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L2700ER(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 3200

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L3200ER(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Yaskawa Solectria

PVI 14-60TL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PVI14TL-208	PVI20TL-480	PVI23TL-480
PVI28TL-480	PVI36TL-480	PVI50TL-480
PVI60TL-480		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sensor

Brodersen

PT100 with converter PXT-10

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PT100 with converter PXT-10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PT1000 with converter PXT-11

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PT1000 with converter PXT-11

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Campbell Scientific
CR-PVS1

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	11
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	11

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I_SC1	Short circuit current 1
I_SC2	Short circuit current 2
SLI	Soiling loss
SLI_RAW	Soiling loss raw
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CR-PVS1

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CR-PVS2

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	11
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I_SC1	Short circuit current 1
I_SC2	Short circuit current 2
SLI	Soiling loss
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CR-PVS2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

contrel elettronica srl

CTT8

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CTT8

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DAVIS
VantagePro2

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
E_RF_ABS1	Precipitation quantity, absolute
E_W_D	Wind direction
E_W_S	Wind speed
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

VantagePro2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Dini Argeo
DGT20

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7E1, 7N1, 7E2, 7N2, 8E1, 8N1, 8E2, 8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SNOW_LOAD1	Snow load 1
SNOW_LOAD2	Snow load 2
SNOW_LOAD3	Snow load 3
SNOW_LOAD4	Snow load 4

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

DGT20

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EKO Instruments
MS series

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8O1, 8E1
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MS-40M	MS-60M	MS-80M

Via additional Modbus converter (MC-20) series

ML-01	MS-40	MS-60
MS-80	MS-802	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fuji Electric
Water Level Transmitter

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

WATER_DEPTH	Water depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Water Level Transmitter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei
SmartLogger2000 EMI

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SmartLogger2000 EMI

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Hukseflux
SR Series

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	7
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	6 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_F_S	Fan speed
E_IH_REL	Internal relative humidity
E_IP_ABS	Internal air pressure
E_TILT	Sensor tilt
SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SR05-D1A3	SR20-D1	SR20-D2
SR30-D1		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SR20-TR/D2

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SR20-TR/D2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Kipp & Zonen
DustIQ

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For connection to the blue'Log the device needs to be configured to zero-based registers.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SLI1	Soiling loss 1
SLI2	Soiling loss 2
SR1	Soiling ratio 1
SR2	Soiling ratio 2

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

DustIQ

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RaZON+

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	7E1, 7N1, 7O1, 8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_SRAD	Global irradiation energy
SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
SUN_H	Sunshine duration

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Irradiance 1 = Global irradiance
Irradiance 2 = Direct irradiance
Irradiance 3 = Diffuse irradiance

SUPPORTED DEVICES

RaZON+

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RT1

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	38400 bps, 19200 bps, 9600 bps, 4800 bps, 2400 bps, 1200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
SRAD1	Irradiance 1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

RT1

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMPx (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SMPx (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMPx, SGRx, SHPx, PR1, PH1, SUVx (Modbus)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	26
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
SRAD	Irradiance
SRAD1	Irradiance 1
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PH series

PH1

PR series

PR1

RT series

SUV5

SGR series

SGR3	SGR4

SHP series

SHP1

SMP series

SMP3	SMP6	SMP10
SMP11	SMP21	SMP22

SUV series

SUV-A	SUV-B	SUV-E
SUV5		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Lufft
WSxxx

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_AH_ABS1	Humidity, absolute 1
E_AH_REL1	Humidity, relative
E_ALT1	Altitude
E_AP_ABS1	Air pressure, absolute
E_AP_REL1	Air pressure, relative
E_PRECIPITATION	Precipitation type
E_RF_DIF	Differential precipitation
E_RF_I1	Precipitation intensity
E_W_D	Wind direction
E_W_S	Wind speed
E_W_S_MA (1,...x)	Maximum wind speed
SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

WS100	WS200	WS300
WS301	WS302	WS303
WS304	WS310	WS400
WS401	WS500	WS501
WS502	WS503	WS504
WS510	WS600	WS601
WS700	WS800	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Meier-NT
ADL-SR

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD1	Irradiance 1
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ADL-SR

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

meteocontrol
Hygro-Thermosensor compact

COMMUNICATION

Interface (E_AH_REL1):	Multi Input (MI), 0 - 20 mA
Interface (T):	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Hygro-Thermosensor compact

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PT100 compact

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PT100 compact

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-12TC

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-12TC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-12TC-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 10 V
Interface (T):	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-12TC-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-020TC

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-020TC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-020TC-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 20 mA
Interface (T):	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-020TC-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-420TC

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-420TC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-420TC-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 20 mA
Interface (T):	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-420TC-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-I-420

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-I-420

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-I-420-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 20 mA
Interface (T):	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-I-420-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-RS485TC-2T-MB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Temperature 1 = Module temperature (internal measurement)
Temperature 2 = Ambient temperature

SUPPORTED DEVICES

Si-RS485TC-2T-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-RS485TC-2T-V-MB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Temperature 1 = Module temperature (internal measurement)
Temperature 2 = Ambient temperature

SUPPORTED DEVICES

Si-RS485TC-2T-V-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-RS485TC-T-MB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-RS485TC-T-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-RS485TC-T-Tm-MB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Temperature 1 = Module temperature (internal measurement)
Temperature 2 = Ambient temperature

SUPPORTED DEVICES

Si-RS485TC-T-Tm-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-V-010

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-V-010

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-V-010-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 10 V
Interface (T):	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Si-V-010-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ta-ext-RS485

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Ta-ext-RS485

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tm-I-4090

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Tm-I-4090

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tm-RS485

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Tm-RS485

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind direction classic (0 - 10 V)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Wind direction classic (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind direction classic (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Wind direction classic (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind direction compact (0 - 10 V)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Wind direction compact (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind direction compact (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Wind direction compact (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind speed classic (0 - 10 V)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Wind speed classic (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind speed classic (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Wind speed classic (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind speed compact (0 - 10 V)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Wind speed compact (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind speed compact (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Wind speed compact (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NES
SOZ-03

COMMUNICATION

Interface:	Multi Input (MI), 0 - 1 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SOZ-03

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NOHKEN

PLD121-11 (Water depth) Analog (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

WATER_DEPTH	Water depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PLD121-11 (Water depth) Analog (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Power Electronics

Protection system - HEMK + MVSKID

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the driver only works in case blue'Log gets directly connected to MV SKID modules.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Protection system - HEMK + MVSKID

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sommer Messtechnik
USH-8/9 (0 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_SNOW_DEPTH	Snow depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

USH-8/9 (0 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

USH-8/9 (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_SNOW_DEPTH	Snow depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

USH-8/9 (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

USH-9 (Modbus)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8N2, 8O1
Frame settings default:	8N1
Default address:	35

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

USH-9 (Modbus)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunGrow
Logger 1000/3000 Meteo Station

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
E_AP_ABS1	Air pressure, absolute
E_AP_REL1	Air pressure, relative
E_RF_ABS1	Precipitation quantity, absolute
E_W_D	Wind direction
E_W_S	Wind speed
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Logger 1000/3000 Meteo Station

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunSpec Alliance
Compatible sensor

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	96
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 302	Model 303	Model 305
Model 307	Model 308	

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Compatible sensor

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Thermokon
PT1000 with integrated converter

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PT1000 with integrated converter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TOKYO KEISO

UW3000 (Water depth) Analog (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

WATER_DEPTH	Water depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

UW3000 (Water depth) Analog (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UW3000 (Water depth) Modbus

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note the driver only supports the default display mode: DSPMODE (BotDis).

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T (1,...x)	Temperature (1,...x)
WATER_DEPTH	Water depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

UW3000 (Water depth) Modbus

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Vendor-neutral

Analog input (0 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

A_IN1	Analog input 1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Analog input (0 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PT1000

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 Ohm

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PT1000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Meter

ABB

A43/A44

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

A43	A44

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

B23/B24

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	94
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

B23/B24

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CM-UFD.MxxM

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CM-UFD series

CM-UFD.M22M	CM-UFD.M31M	CM-UFD.M33M
CM-UFD.M34M		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

M2M Ethernet

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.25 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

M2M Ethernet

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

REF615

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

REF615

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RET620

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	56
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

RET620

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RIO600 - SIM8F

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

RIO600 - SIM8F

ⓘ Please note that this driver doesn't support the smaller measurement module SIM4F.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Accuenergy
Acuvim II

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note connection of the Acuvim-II via Modbus SunSpec not possible with the existing Modbus SunSpec driver from meteocontrol.

It is possible to configure the "parameter mode" of the device in the system settings through the meters display. The device is only supported if the parameter mode "Primary" got selected.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_P_DEMAND	Active Power Demand
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_Q_DEMAND	Reactive Power Demand
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_S_DEMAND	Apparent Power Demand
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Acuvim II

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

AEC
USM-1

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

USM-1

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Antarc-Automation
TicMaster (Pro)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	20

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

TicMaster series

TicMaster (Pro) Linky	TicMaster (Pro) Saphir

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Bender
LINETRAXX VMD460-NA

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	2

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For communication via Modbus RTU an additional gateway from Bender is needed.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

LINETRAXX VMD460-NA

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CCK
CCK6700E

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	40
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7O1, 7E1, 7N2, 7O2, 7E2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note for connection of the CCK6700E via TCP a RS485 to Ethernet converter is required.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_EXP_T1	Negative - Reactive Energy capacitive exported (Tariff 1)
M_AC_EQ_CAP_EXP_T2	Negative - Reactive Energy capacitive exported (Tariff 2)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_CAP_IMP_T1	Positive - Reactive Energy capacitive imported (Tariff 1)
M_AC_EQ_CAP_IMP_T2	Positive - Reactive Energy capacitive imported (Tariff 2)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_EXP_T1	Positive - Reactive Energy inductive exported (Tariff 1)
M_AC_EQ_IND_EXP_T2	Positive - Reactive Energy inductive exported (Tariff 2)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_EQ_IND_IMP_T1	Positive - Reactive Energy inductive imported (Tariff 1)
M_AC_EQ_IND_IMP_T2	Positive - Reactive Energy inductive imported (Tariff 2)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_MONTH_IMP	Active energy monthly (import)
M_AC_P_DEMAND_T1	Active Power Demand (Tariff 1)
M_AC_P_DEMAND_T2	Active Power Demand (Tariff 2)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CCK6700E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CEWE Instrument

Elite440

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	89
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Please note the models CEWE Elite 441 / 442 / 443 / 444 can't get used for Power Control.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Elite440-441	Elite440-442	Elite440-443
Elite440-444	Elite440-445	Elite440-446
Elite440-447	Elite440-448	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Prometer

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Prometer

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Circutor

Cirwatt B series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	73
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Cirwatt B series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CVM 96, Mini

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	73
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CVM series

CVM_96	CVM_MINI

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CVM-C10

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	66
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CVM-C10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ComAp

InteliPro G59

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

InteliPro G59

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Daiichi Electronics
SQLC 110L

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SQLC 110L

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Deep Sea Electronics

DSEP100

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

DSEP100

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DEIF

ASC Main meter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Depending on the amount of main meters connected to the DEIF Controller the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x DEIF ASC = up to 16 devices).

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ASC Main meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

dpee

TH40 (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

TH40 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TH40C

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

TH40C

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Eaton

EDR-5000

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

EDR-5000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IQ 35MA12 / IQ 35MA13

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	67
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IQ 35M series

IQ 35MA12	IQ 35MA13

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IQ 35MA22 / IQ 35MA23

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	50
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IQ 35M series

IQ 35MA22	IQ 35MA23

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

METER44

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	89
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

METER44

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Power Xpert Meter 2000 / IQ 250/260

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 14400 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the driver does not support the below settings:
- Data bits: 5 and 6

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IQ series

IQ250	IQ250L	IQ260
IQ260L		

PXM series

PXM2250	PXM2260	PXM2270
PXM2280	PXM2290	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the last two digits of the serial number of the connected meter represent the Modbus address of the device. It is not possible to connect two meters with identical Modbus addresses to the same RS485 bus.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SmartHub series

MK10E	MK10H

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Electro Industries/GaugeTech
Shark 100S

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	65
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Shark 100S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Shark 250

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Shark 250

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Elster

A1500 (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

A1500 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

A1700 (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

A1700 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

A1700 / A1140 (KoCos ME27.1)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

A1700 / A1140 (KoCos ME27.1)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ALPHA A18xx

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ALPHA A1800	ALPHA A1882

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EMH

LZQJ (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_P	Power AC
M_AC_Q	Reactive power

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

LZQJ (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fanox
MV Switchgear

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MV Switchgear

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Frer
C96...L

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.015 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

C96...L

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GE Multilin

PQMII Power Quality Meter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PQMII Power Quality Meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Hager

ECR/ECA

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ECA series

ECA300C	ECA301C	ECA380D
ECA381D		

ECR series

ECR300C	ECR301C	ECR380D
ECR381D		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Horstmann
ComPass B series

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	70
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ComPass B series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei
SmartLogger 2000/3000 Power Meter

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SmartLogger 2000/3000 Power Meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ISKRA

ISKRA (Marcom Gateway)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ISKRA (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MC330

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N2, 8E2, 8O2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Two different Modbus value mappings can get selected via Modbus register 40100 of the "Iskra MC330" communication protocol. Please note that the driver only supports the value mapping "MC7X0". The value mapping "MI71X0" does not get supported.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MC330

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Iskraemeco

MT880

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	62
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note in case the Modbus address was not set manually it is made up as follows: 100 + the last two digits of the serial number of the connected meter. It is not possible to connect two meters with identical Modbus addresses.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MT880

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Itron/Actaris

SL7000 (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SL7000 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Janitza

UMG 503

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

UMG 503

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

UMG series

UMG 96PA	UMG 96PA-MID	UMG 96RM
UMG 96RM / -CBM / -P	UMG 96RM-E	UMG 96RM-EL
UMG 96RM-PN	UMG 103 CBM	UMG 104
UMG 508	UMG 509	UMG 511
UMG 512	UMG 604	UMG 605

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	19
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N2, 8O1, 8E1
Frame settings default:	8E1
Default address:	50

Timings

Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Grid-Inspector IKI-50

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Landis & Gyr
E650 (Marcom Gateway)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ You can connect up to 4 Landis & Gyr E650 meters to one Marcom gateway (e.g. 1 Marcom with 4 Landis & Gyr E650 = 4 devices).
ⓘ Please note for connection a firmware of 3.128 and higher of the Marcom gateway is required.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

E650 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	1001
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	87
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7O1, 7O2, 7E1, 7E2, 8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PMVF series

PMVF20 PMVF50 PMVF51

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Meter Gateway
L-Box

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	http
Port:	8080
Default address:	0
Remote Device Access:	No

Timings

Timeout:	none
Delay:	60 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_EV_E_EXP	Consumption of charging infrastructure

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

L-Box

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Metering Dynamics
SmartHub

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	5
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	6 seconds
Delay:	6 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the last two digits of the serial number of the connected meter represent the Modbus address of the device. It is not possible to connect two meters with identical Modbus addresses to the same RS485 bus.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SmartHub series

MK10A MK10E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Microstar
P2000

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	16
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

P2000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Mitsubishi
ME110

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	9
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1.5 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ME110 series

ME110NSR-MB	ME110SR-MB	ME110SSR-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes
Communication interface:	RS485
Max. number of devices per bus:	20
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only devices from firmware 3.0.8 and higher get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ If you use the meter in single phase mode it's necessary to configure this in meter software. Otherwise the meter will show also values for phase 2 and phase 3. Set in the menu "Install" - "Advanced" the option "Markierung bei Phasenausfall" to the value "Flag+0".

SUPPORTED DEVICES

UMD 96	UMD 97	UMD 97EVU
UMD 98	UMD 701	UMD 704
UMD 705E/CBM	UMD 705X	UMD 707
UMD 709	UMD 710A	UMD 710EVU
UMD 807	UMD 913	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Regulus

uReg

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

uReg

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Satec
PM13xP/A/E/EH

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	61
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7E1, 8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note that it is possible to change the data format by changing the configuration of the meter. Because 32-bit floating point format is not supported by this driver, register 246 needs to be 0 (default value) and shouldn't be changed.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PM130 PLUS series

PM130A	PM130E	PM130EH
PM130P		

PM135 series

PM135A	PM135E	PM135EH
PM135P		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SBC

ALE3 / AWD3

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	14
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ALE3 AWD3

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N2, 8O1, 8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

EM1250	EM1251

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only devices from firmware 1.0.800 and higher get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

iEM series

iEM3155	iEM3255	iEM3355

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ION7500	ION7600	ION8300
ION8400	ION8500	ION8600
ION8650	ION8800	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ION7550	ION7650

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ION7300	ION7330	ION7350

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ION7400

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ION7400

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MiCOM P125, P126 & P127

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	82
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8N2, 8O1
Frame settings default:	8E1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MiCOM P125, P126 & P127

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PM2XX/PM7XX

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ This meter delivers cos φ and active and reactive power as values without a sign (+/-).

SUPPORTED DEVICES

PM2XX series

PM200	PM200P	PM210

PM7XX series

PM700	PM700P	PM710

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PM2xx0 series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PM21xx series series

PM2120	PM2130

PM22xx series series

PM2220	PM2230

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_TOTAL	Reactive Energy total
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PM5000 series

PM5100	PM5110	PM5111
PM5310	PM5320	PM5330
PM5331	PM5340	PM5341
PM5560	PM5561	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only devices from firmware 1.0.800 and higher get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PM3200 series

PM3250	PM3255

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PM800 series

PM810	PM820	PM850
PM870		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sepam 40 series

G40	M40	M41
S40	S41	S42
S43	S44	S48 - E11
S48 - E12	S48 - E13	S48 - E14
S48 - E15	S48 - E22	S48 - E23
S48 - E32	S48 - E33	S50
S51	S52	S53
S54	T40	T42
T50	T52	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SEL
SEL-735

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	95
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	6E1, 6N1, 6O1, 6E2, 6N2, 6O2, 7E1, 7N1, 7O1, 7E2, 7N2, 7O2, 8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ It is necessary to configure the scaling settings in the device for correct communication and measurement. The scaling settings have to be configured with the software "ACSELERATOR QuickSet SEL-5030" in the menu "Identifier and Scaling Settings". The scaling settings have to be set to VOLT_SCA = UNITY, POWR_SCA = UNITY, ENRG_SCA = KILO.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SEL-735

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Siemens

7SR10 Argus

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

7SR10 Argus

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PAC

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	126
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N2, 8E1, 8O1, 8N1
Frame settings default:	8N2
Default address:	126

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Configuration of device for active energy counting range needs to be set to "IMPORT" or "EXPORT". Range "BALANCE" does not get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PAC series

PAC3100	PAC3200	PAC4200

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 201	Model 202	Model 203
Model 204		

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Compatible meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Takemoto Denki

XM2-110

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ The driver supports the address range 1 to 247. The address 0 does not get supported.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

XM2-110

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Vendor-neutral
S0 energy meter

COMMUNICATION

Communication interface:	Digital Input (DI), Multi Input (MI)

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_INT	Energy generated per interval

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

S0 energy meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Veris Industries
E51C2

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 201	Model 202	Model 203
Model 204		

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

E51C2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

WEG

MMW03-M22CH

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_P_DEMAND	Active Power Demand
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_Q_DEMAND	Reactive Power Demand
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_S_DEMAND	Apparent Power Demand
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MMW03-M22CH

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Woodward
MFR 300

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only devices with firmware 1.02 get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.
ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MFR 300 series

MFR 300-11M	MFR 300-15M	MFR 300-71M
MFR 300-75M		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	45
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note, since release 3.6 Woodward offers the tool "SCADApter" with which project specific data point lists can get created. The driver does not support any project/device specific data point lists.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

ⓘ The alarms "I[1] - 50, 51" to "I[6] - 50, 51" can get configured via Woodward configuration tool. The interpretation of the alarms sent by the blue'Log depends on the initial configuration of the device.

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MCA4	MCDGV4	MCDTV4
MRA4	MRDT4	MRI4
MRM4	MRMV4	MRU4

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Yokogawa
PR300

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PR300

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

String monitoring

ABB

ABB PVI-STRINGCOMB (Aurora protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	AURORA
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	0.5 seconds
Delay:	0.035 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ABB PVI-STRINGCOMB (Aurora protocol)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ultra Solar Field Gathering

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
STATE (1,...x)	Status (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ULTRA series

3G90	3L11	V11

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

AROS (Riello)
String Box

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

String Box

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Astrid Energy Enterprises

Array Monitor

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	76
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Array Monitor

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Carlo Gavazzi
VMU

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

VMU-M	VMU-S	VMU-S30

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Chint
CPS CB10

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CPS CB10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Circutor

STM

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

STM

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TR8

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Driver supports 'single slave' devices only, the modus 'Slave-Subslave' is not supported. For this reason, the maximum of these stringboxes on a single bus is limited to 32.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

TR8

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TR16

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

TR16

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fronius

Fronius SolarNet String Control

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS422
Max. number of devices per bus:	100
Protocol:	SOLAR_NET
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	57600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 7N1, 7N2, 7E1, 7E2
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ To communicate with the inverter via SolarNet protocol a RS422 interface is necessary. Please note that you need a MX-MODULE RS485/422 because blue'Log has no RS422 interface.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Fronius SolarNet String Control

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Gantner
string.bloxx 1xx EM 1500V

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	44
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

string.bloxx 116 EM 1500V series
- string.bloxx 116 EM 1500V

string.bloxx 124 EM 1500V series
- string.bloxx 124 EM 1500V

ⓘ Please note the string.bloxx 116 EM with 32 string inputs consists of two 16 string input versions. For a correct scan the two devices need to be scanned separately (1 x string.bloxx 116 EM with 32 string inputs = 2 devices each with its own bus address).

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ingeteam

DC Current Measurement HW

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	2
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

DC Current Measurement HW

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

KACO new energy
blueplanet Argus (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	11
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 401	Model 402	Model 403
Model 404		

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

blueplanet Argus series

blueplanet Argus 16 Mon	blueplanet Argus 20 Mon	blueplanet Argus 24 Mon
blueplanet Argus L-20	blueplanet Argus L-24	blueplanet Argus XL-20
blueplanet Argus XL-24		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Powador Argus 16/24S DCS

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	KACO
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.03 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Powador Argus series

Powador Argus 16S DCS	Powador Argus 24S DCS

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Kernel sistemi

ST0Nxxxx

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note connection of ST0Nxxxx via Modbus TCP only possible in combination with additional equipment. Please check with "Kernel sistemi". By default only possible connection via RS485 (Modbus RTU).

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ST0 Series series

ST0 2415

ST0N Series series

ST0N 2415

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ST1xxxx

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ST1 Series series

ST1 0630	ST1 0830	ST1 1030
ST1 1430	ST1 1630	ST1 2422

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Klein
KSM-VX.X

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

KSM-V0.7	KSM-V0.8

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	44
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

i´catcher series

i´catcher 8-1B	i´catcher 16-1B	i´catcher 24-1B

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

String Monitoring Unit (Kernel Sistemi ST2xxxx)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SMU 0825	SMU 1225	SMU 1625
SMU 2422		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Monsol
1000|1500V Shunt

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

1000|1500V Shunt

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Noark

SUP 4S-20S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	17
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SUP 4S-20S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ In order to measure voltage of the "voltage measuring module", it must be connected to the 8S module in the first channel. Connection of the "voltage measuring module" to the 4S module not possible.

Depending on the amount of modules connected the total amount of devices varies that can be connected to one blue'Log (e.g. 8 x 8S modules = 8 devices for the blue'Log).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Values for "Status" and "Temperature" will just be available for the first module if modules (4S, 8S) get connected to the first channel.

SUPPORTED DEVICES

SCK-C-MODBUS	SCK-M-I-4S-20A	SCK-M-I-8S-20A

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Power Electronics

HE/HEC/HES Disconnecting Unit

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

HE/HEC/HES Disconnecting Unit

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HE/HEC/HES String Supervisor 8/32

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note max. 4 String Supervisor can get connected to each Power Electronics "Solar Inverter". To avoid that String Supervisors are created multiple times it is recommended to only scan the first "Solar Inverter" of each Power Electronics inverter as String Supervisors of other "Solar Inverter" will get detected automatically during the scan.

ⓘ The virtual address of each String Supervisor assigned during scanning on the blue'Log does not match the String Supervisor ID (SSx ID).

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

String Supervisor series

String Supervisor 8	String Supervisor 32

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Raycap
ProSMS

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	38400 bps
Frame settings:	8E1, 8O1, 8N2
Frame settings default:	8E1
Default address:	5

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ProSMS8-WM

ProSMS series

ProSMS 8	ProSMS 1500

ⓘ When connecting the ProSMS 8-WM via the ProSMS-G it is neccessary to select Parity "ODD" on blue'Log XM / XC for a succcessful scan.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PV5690 String Monitoring System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PV5790 String Monitoring System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PV5790 String Monitoring System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Santerno

Smart String Box

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note:

-The "SSB CS-SP 16 600V" consits of 2 x "SSB CS-SP 8 600V" (1 x SSB CS-SP 16 600V = 2 devices)

-The "SSB CS-SP 24 600V" consist of 3 x "SSB CS-SP 8 600V" (1 x SSB CS-SP 24 600V = 3 devices)

For a correct scan the devices need to be scanned separately (1 x SSB CS-SP 16 600V = 2 devices each with its own bus address).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Smart String Box series

Santerno SSB CS-SP 8 600V	Santerno SSB CS-SP 16 600V	Santerno SSB CS-SP 24 600V

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunway TG ES1008

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunway TG ES1008

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SENECA

Z-4AI SCB (0 to 025A)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Z-4AI SCB (0 to 025A)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Z-8AI SCB (0 to 025A)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Z-8AI SCB (0 to 025A)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SIEL

CSP12

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CSP12

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMA
String-Monitor (SSM-U)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	120
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note only Client / Slave IDs from 120-169 are supported by SMA.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SMA String-Monitor series

SSM-U-1610	SSM-U-1615	SSM-U-2410
SSM-U-2415	SSM-U-3210	SSM-U-3215

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunny Central (1760-4600) Zone Monitoring

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	32
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note only Client / Slave IDs 32 and 33 are supported by SMA.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunny Central (1760-4600) Zone Monitoring

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunny Central (CP, CP-US, CP-JP, HE-20) String Monitor

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	4
Remote Device Access:	No

Timings

Timeout:	5 seconds
Delay:	0.25 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note only Client / Slave IDs from 4-247 are supported by SMA.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunny Central (CP, CP-US, CP-JP, HE-20) String Monitor

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunny Central (CP, CP-US, CP-JP, HE-20) Zone Monitoring

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	4
Remote Device Access:	No

Timings

Timeout:	5 seconds
Delay:	0.25 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note only Client / Slave IDs from 4-247 are supported by SMA.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunny Central (CP, CP-US, CP-JP, HE-20) Zone Monitoring

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Socomec

SUNSYS IFB/FJB

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

IFB/ FJB 8	IFB/ FJB 12	IFB/ FJB 16
IFB/ FJB 24	IFB/ FJB 32	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SolarMax
MaxConnect PLUS (MaxComm Protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	MAX_COMM_SERIAL
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	3 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

MaxConnect PLUS series

MaxConnect 12 PLUS	MaxConnect 16 PLUS

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Spelsberg

PV Monitoring System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

PV Monitoring System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunSpec Alliance
Compatible string monitoring

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 401	Model 402	Model 403
Model 404		

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Compatible string monitoring

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TMEIC
SGV

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SGV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Weidmüller

Transclinic xi+

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Transclinic 8i+	Transclinic 14i+	Transclinic 16i+
Transclinic 16i+ 1k5 H	Transclinic 16i+ 1k5 L	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Status DI external

ABB

RIO600 - DIM8

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

RIO600 - DIM8

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CRD
CRD600A

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note that the CRD600A does not support Modbus TCP by default. Connection via Ethernet just possible by using an additional RS485/Ethernet converter. Please get in touch with meteocontrol Sales for clarification regarding Ethernet connection.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

CRD600A

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EXPERT
EX9053DM

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	46
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

EX9053DM

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei
SmartLogger 2000 DI Status

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SmartLogger 2000 DI Status

ⓘ Please note the driver does not work in combination with SmartLogger1000.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Santerno

Sunway TG Remote I/O

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sunway TG Remote I/O

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMA

ioLogik E1210-T

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ioLogik E1210-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 7N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ On a 8 channel digital input module the number of the digital input doesn't match to the number of the connection pin. Please consider this when configuring the device in the blue'Log. Please check the manufacturer manual.

Example:

First module next to the communication module: DI1 = Pin 1, DI2 = Pin 5, DI3 = Pin 2, DI4 = Pin 6, DI5 = Pin 3, DI6 = Pin 7, DI7 = Pin 4, DI8 = Pin 8

Second module next to the communication module: DI9 = Pin 1, DI10 = Pin 5, DI11 = Pin 2, DI12 = Pin 6, DI13 = Pin 3, DI14 = Pin 7, DI15 = Pin 4, DI16 = Pin 8)

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

I/O-System 750 series
- I/O-System 750

Speedway 767 series

Speedway 767

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: sales@meteocontrol.com

Weidmüller

UR20-FBC-MOD-TCP-V2

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ The driver supports a maximum amount of 64 connected I/O modules (e.g. UR20-16DI-P / UR20-4AI-RTD-DIAG)

Depending on the amount of I/O modules connected the total amount of devices varies that can be connected to one blue'Log (e.g. 3 x UR20-16DI-P = 3 devices).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.
ⓘ Values for "Status" and "Error" are just available for the first I/O module connected to the UR20-FBC-MOD-TCP-V2.

SUPPORTED DEVICES

UR20-4AI-RTD-DIAG	UR20-16DI-P

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tracker

AlionEnergy

Storm Tracker

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Storm Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Arctech Solar

Sky Smart System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	200
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	200

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Communication via Modbus TCP only possible in combination with additional equipment. For communication via Modbus TCP please get in touch with "Arctech Solar".

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

AZIMUTH	Azimuth
AZIMUTH_TARGET	Azimuth, target value
ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_S1	Wind speed 1
E_W_S2	Wind speed 2
SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Sky Smart System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Array Technologies
Dura Track Hz

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Dura Track Hz

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Braux

SL series

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SL series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GameChange Solar

Genius Tracker

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
E_W_S1	Wind speed 1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Genius Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ideematec
safe Track Trackersystem

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	255
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ One Ideematec Tracker controller consists of up to 120 Tracker and 1 Sensor box (121 devices).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D1	Wind direction 1
E_W_D2	Wind direction 2
E_W_S1	Wind speed 1
E_W_S2	Wind speed 2
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

safe Track Trackersystem

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NCLAVE

Solar tracker SP1000

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Solar tracker SP1000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SP160

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SP160

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NEXTracker

NX Horizon

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ It is possible to connect a combination of up to 100 SPCs (Self-Powered Controller) and Weather Stations to a single NCU (Network Control Unit).
Depending on the amount of SPCs and Weather Stations connected to the NCU the total amount of devices varies that can be connected to one blue'Log (e.g. 99 SPCs + 1 Weather Station = 100 devices).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

NX Horizon

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Solar FlexRack
Turnkey Solar Tracker

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Turnkey Solar Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Soltec
SF Tracker

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For a successful scan the angle of the trackers must not be zero degrees. If the angle will be zero degrees the scan will fail.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

SF Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Soltigua
iTracker

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note that max. 250 trackers can get connected to a single blue'Log with activated tracker mode even if it is possible to connect up to 1000 devices to one Soltigua iTracker Control Panel.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

iTracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunTrack
Network Control Unit

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Network Control Unit

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TerraTrak

Trak

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ The TerraTrak system can consist of several Unit-IDs by looking at the Modbus mapping. For each Unit-ID the maximum amount of 100 trackers and 2 weather stations can get connected. Please make sure not to exceed the limit of 250 trackers which can max. get connected to a single blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
E_W_S_MA (1,...x)	Maximum wind speed
STATE (1,...x)	Status (1,...x)
T	Temperature
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Trak

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Battery

ADS-TEC

StoraXe Master

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy from storage system
B_E_IMP	Energy to storage system
B_I_DC	Battery current
B_P_DC	Battery power
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

StoraXe Master

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Delta

RT-10K

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ To enable communication via Modbus RTU the "Switches" of the RT-10K need to be set to:

- set SW1 to > 0
- set SW3 to "MODBUS Protocol"
- set SW4 to "RS485"

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

RT-10K

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tesla

Energy Storage System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note in case a battery meter should be connected to the Tesla system the blue'Log will automatically create an additional meter device besides the battery on the blue'Log during the scan.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_STP_P	Active power setpoint
ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U	Voltage AC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

Energy Storage System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Genset

Deep Sea Electronics

7310MkII

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
FUEL_CONSUMPTION	Fuel consumption
FUEL_EFFICIENCY	Fuel efficiency
FUEL_REMAINING	Fuel remaining
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

7310MkII

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DEIF
ASC Genset (with AGC)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Depending on the amount of gensets connected to the DEIF Controller the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x DEIF ASC = up to 16 devices).

ⓘ The gensets must be equipped with DEIF AGC controllers connected to the ASC on the DEIF internal Power Management communication line.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
FUEL_CONSUMPTION	Fuel consumption
FUEL_EFFICIENCY	Fuel efficiency
FUEL_REMAINING	Fuel remaining
OT_TOTAL	Operation hours
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
Q_AC	Reactive power
Q_AC_SET_ABS	Absolute reactive power setpoint

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ASC Genset (with AGC)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ASC Genset (without AGC)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Depending on the amount of gensets connected to the DEIF Controller the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x DEIF ASC = up to 16 devices).

ⓘ If the ASC receives data not from the DEIF AGC controllers but from meters connected to the ASC then it's necessary to use this driver.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
Q_AC	Reactive power
Q_AC_SET_ABS	Absolute reactive power setpoint

ⓘ The actually recorded values may vary due to the device model or the device firmware.

SUPPORTED DEVICES

ASC Genset (without AGC)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Appendix

SunSpec measurement values

The following list of measurement values shows the maximum set of values which are available for each device category and SunSpec models. Depending on the manufacturer of the device the available values vary.

Inverter

SUNSPEC MODELS 101, 102, 103

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

SUNSPEC MODELS 122

E_TOTAL	Energy total
R_ISO	Insulation resistance

SUNSPEC MODELS 123

No measurements recorded

SUNSPEC MODELS 160

ERROR (1,...x)	Error (1,...x)
I_DC	Current DC total
P_DC	Power DC
U_DC	Voltage DC

Sensor

SUNSPEC MODELS 302

SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
SRAD4	Irradiance 4
SRAD5	Irradiance 5

SUNSPEC MODELS 303

T	Temperature

SUNSPEC MODELS 305

E_ALT1	Altitude

SUNSPEC MODELS 307

E_AH_REL1	Humidity, relative
E_AP_ABS1	Air pressure, absolute
E_PRECIPITATION	Precipitation type
E_RF_ABS1	Precipitation quantity, absolute
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
T	Temperature

SUNSPEC MODELS 308

E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

Meter

SUNSPEC MODELS 201, 202, 203, 204

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

String monitoring

SUNSPEC MODELS 401, 402, 403, 404

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T	Temperature
U_DC	Voltage DC