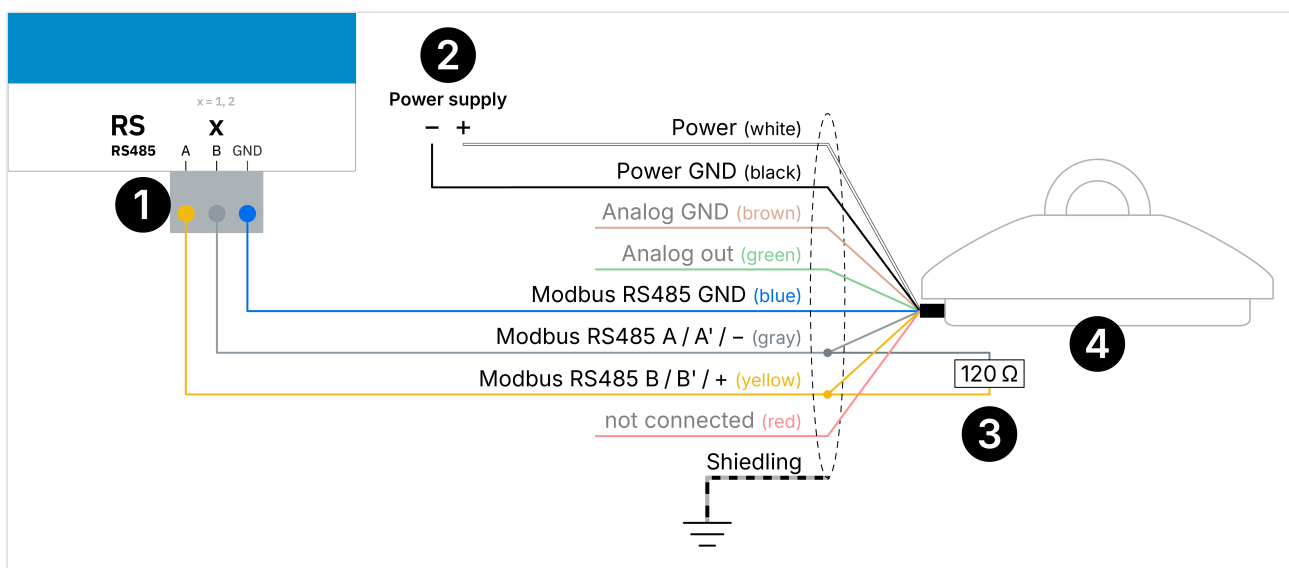


Kipp & Zonen SMP3, SMP10, SMP10X, SMP12 (Modbus RTU)

Connection to bluelog Neo

- Set the bus address on the sensor (see sensor documentation).
- If the device is the last one on the RS485 bus, terminate the bus with a 120 Ω terminating resistor.
- Various Modbus devices can only be queried together if the serial communication parameters are identical (baud rate, number of data bits, parity, stop bits).
- Pyranometers can be used to measure irradiance either in horizontal or module plane.



Kipp & Zonen SMP3, SMP10, SMP10X, SMP12 (Modbus RTU): Sensor connection

	Description
1	Data logger terminal, RS485
2	External power supply
3	Terminating resistor
4	Pyranometer

Connection

Wire color	Use
○ White	Power supply (5 ... 30 V DC)
● Black	Power GND
● Brown	Irradiance signal GND

Wire color	Use
 Green	Irradiance signal (4 ... 20 mA)
 Blue	RS485 Modbus interface GND
 Gray	RS485 Modbus interface A (-)
 Yellow	RS485 Modbus interface B (+)
 Red	Not connected
Black/White	Shielding

Item numbers

Sensor	Item nos.
SMP3	200.203
SMP10	423.034
SMP10X	423.080, 423.081
SMP12	200.299, 200.287