

RS485 Cable & MODBUS Commands

Wiring Reference | Field Integration Quick Guide

TECHNICAL PRODUCT INFORMATION | GasIQ Meter

Cable identification

Red	Module power supply (+), 5.0–12 V DC
Black	Ground / 0 V (–)
Yellow	RS485 A
Green	RS485 B

Confirm the pinout and permitted supply voltage against the exact delivered module before energizing. Do not assume wire colours alone are sufficient identification.

Communication settings supplied

Default baud rate	2400 bps
Serial framing	1 start bit, 8 data bits, 1 stop bit
Physical interface	RS485
Meter reading unit	m ³

Command reference

Read meter consumption	01 03 00 00 00 02 C4 0B
Example response	01 03 04 00 98 96 1C 15 B5
Open valve	01 05 00 01 00 FF DC 4A
Close valve	01 05 00 01 00 00 9C 0A
Read valve status	01 01 00 01 00 01 AC 0A
Open status response	01 01 00 01 00 FF 2D 8A
Closed status response	01 01 00 01 00 00 6D CA

Installation checklist

- Verify the module voltage and polarity before connecting power.
- Connect RS485 A and B to the corresponding controller terminals.
- Set a unique slave address for each meter.
- Configure the host serial port to the meter's confirmed baud rate and framing.
- Read the consumption register and verify the value against the meter display.
- Test valve functions only where supported and permitted by the application.

Protocol compatibility note

The original cable reference mentions 645 and T188 protocols alongside MODBUS examples. These are distinct protocol families. Confirm the actual communication mode and firmware supplied with the meter before commissioning.

Field wiring diagram

