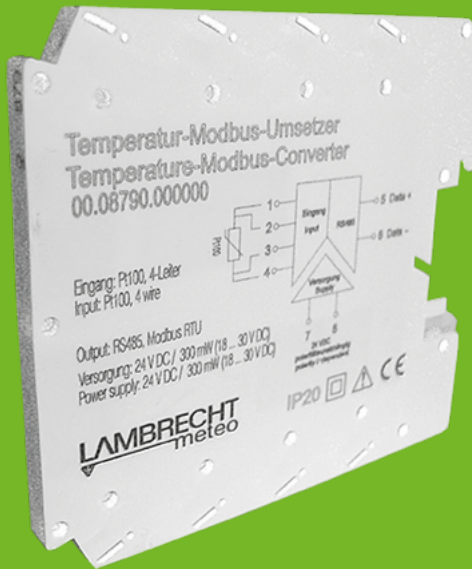


Pt100 Modbus Converter



From analog signal to industry standard

The Pt100 Modbus converter acquires the measuring signal of a Pt100 temperature sensor and makes the measured value available for interrogation via Modbus RTU (RS485). Due to the simple address assignment from 1...99 by code switches, up to 99 temperature sensors can be quickly integrated into a bus. Like the other Lambrecht Modbus RTU sensors, the Pt100 Modbus converter also has autoconfiguration registers (mapping). Thus it can be automatically recognized by the data logger met[LOG] and created for the measurement with just one push of a button.

APPLICATIONS

- industrial weather station
- process technology
- building technology
- SCADA system
- solar power plants

Professional Line	Pt100 Modbus Converter
Id-No.	00.08790.000000
Measuring range	-40 ... +80 °C
Signal input	1,5 kV
Sensor supply Pt100	1 mA
RS485 bus	no galvanic isolation
Address switch	2 address switches for 10 + 1 · max. bus users: 99
Measuring rate	1 measurement/s
Environmental conditions	-40...+80 °C
Power supply	50 Hz (1 min.)
Supply voltage	18...30 VDC
Max. power consumption at 24 VDC	300 mW
Max. line resistance	10 Ohm/line
Design	DIN rail 35 mm, EN 50022
Software protocol	Modbus-RTU
Data format	19200, 8, E, 1
Dimensions	6,2 x 92 x 101 mm
Protection class	IP 20
Weight	approx. 30 g
EMC standards / Electrical safety	EN 61326, EN 55011, CISPR11 Kl. B, EN 61010-1
Connection technology	4-wire, screw terminals, conductor cross section max. 2.5 mm ²
Connectable to	00.08290.000030: Module temperature sensor 00.08280.010507: Air, soil and water thermometer Pt100, 1/3 DIN 00.08281.008005: Air temperature sensor Pt100, 1/3 DIN 00.08241.000000: Grass temperature sensor with protection device

As of: 12.06.2019