



# TH-DG-RS485

TH-DG-RS485, Temperature and humidity probe with RS-485 communications (ModBus/RTU).. Needs a 9...24 V ac/cc power supply. PowerStudio supported, Code: M61310.

## Specifications

### AC power supply

Installation category	CAT III
Consumption	< 0,5 VA
Nominal voltage	9 ... 24 Vca

### DC power supply

Consumption	< 0,5 VA
Nominal voltage	9 ... 24 Vdc

### Mechanical characteristics

Size (mm) width x height x depth	64 x 58 x 35 (mm)
Fastening	Wall mounting
Weight (kg)	0,11

### Environmental characteristics

Protection class	IP 65
Relative humidity (without condensation)	5 ... 95 %
Working temperature	-30 ... +85 °C

### Sensor connection

Basic relative humidity measurement error (%)	± 2 % (10...90%) ± 3 % for the rest
Basic temperature measurement error (%)	± 0,5% of the rang ± 3% for the rest
Relative humidity measurement hysteresis (%)	± 1 %
Relative humidity measurement range % (without condensation)	0 ... 100
Temperature measurement range	-20 ... +60 °C
Calculated relative humidity values	Absolute humidity [g/m3], Dewpoint temperature (Td °C)

### Standards

Electrical safety, Contamination level/class	Pollution resistance 2
Standards	UNE-EN 61000-6-2, UNE-EN 61000-6-4

### Serial communication

Protocol	Modbus/RTU
Technology / Type	RS-485

TH-DG  
Temperature probe



# TH-DG-RS485

Code: M61310.

CODE	TYPE	Description
M61310.	TH-DG-RS485	Temperature and humidity probe with RS-485 communications (ModBus/RTU).. Needs a 9...24 V ac/cc power supply. PowerStudio supported
Q4994L.	MN-12	12 Vdc power supply



## TH-DG-RS485

Code: M61310.

### Connections

