



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

Environmental characteristics

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

Mechanical characteristics

Fastening	Wall mounting
Weight (kg)	0,11

Communications

Data bits	8
Stop bits (ModBus)	1
Connector	RS-485
Protocol	Modbus/RTU
Speed	9600
Peripheral number	1

Sensor connection

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

Standards

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



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TH-DG

Temperature probe

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Connections

