



# 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 % (1090%) ± 3 % for the rest	
Basic temperature measurement error (%)	$\pm$ 0,5% of the rang $\pm$ 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









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CODE	TYPE	Description
M61310.	TH-DG-RS485	Temperature and humidity probe with RS-485 communications (ModBus/RTU) Needs a 924 V ac/cc power supply. PowerStudio supported
Q4994L.	MN-12	12 Vdc power supply







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## Connections



