

TEMPERATURE / HUMIDITY PROBE

PCE-P18-0A0E0



- » Humidity and temperature sensors
- » simple wall mounting
- » RS-485 interface
- » for permanent monitoring
- » various filters available
- » small dimensions

Measures temperature and humidity / output as standard signal / compact

Modbus RTU interface / wall mounting

The humidity sensor is used in HVAC technology to monitor humidity and temperature. The measured values are output by the humidity sensor via the RS485 interface. In this compact humidity sensor, air humidity and temperature are precisely determined using a semiconductor component. For commissioning, the humidity sensor is supplied via a DC voltage. The measured variables are output via a two-wire line. All connections are made via screw contacts in the waterproof IP 65 housing. This function is particularly useful if several measuring points are to be linked to one another during your home surveillance.

Specification

Relative humidity	
Measuring range	0 ... 9 %RH
Resolution	1 %RH
Accuracy	±3% RH
Relative humidity	
Measuring range	10 ... 90 %RH
Resolution	1 %RH
Accuracy	±2% r.F
Relative humidity	
Measuring range	91 ... 100 %RH
Resolution	1 %RH
Accuracy	±3% r.F
Temperature	
Measuring range	-20 ... +60 °C
Accuracy	±0.7 % of range

General technical data	
Display Typ	without display
Interface	RS485
Warm-up time	15 min.
Mounting	Wall mounting
Performance	1,5 W
Protection class (device)	IP65
Power supply	19 ... 30 V DC
Operating conditions	-30 ... 85 °C , 0 ... 95 %RH
Storage conditions	-30 ... 85 °C , 0 ... 95 %RH
Dimensions (W x H x D)	35 x 58 x 118 mm
Weight	125 g