



Humidity Sensor PCE-P18



Measures temperature and humidity / Analog output signal / compact
Modbus RTU interface / wall mounting

The humidity sensor PCE-P18 is used in HVAC technology to monitor humidity and temperature. The measured values are output by the PCE-P18 humidity sensor as a standard signal. In this compact humidity sensor, air humidity and temperature are precisely determined using a semiconductor component. For commissioning, the humidity sensor PCE-P18 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. In addition to the output of the measurement signal as a analog signal, the measurement values can be output via the RS485 interface. This function is particularly useful if several measuring points are to be linked to one another during your home surveillance.

- Humidity and temperature sensors
- 0 ... 10 V output, 4 ... 20 mA output
- simple wall mounting
- RS-485 interface
- for permanent monitoring
- various filters available
- small dimensions - Modbus RTU

Subject to change

Specifications

Technical data humidity sensor PCE-P18

humidity

measuring range	0 ... 100% RH
accuracy	± 2% (in the range 10% 90% RH) ± 3% (remaining range)
hysteresis	± 1% RH

temperature

measuring range	- 20 ... 60 ° C
accuracy	± 0.7% of the measuring range
temperature effect	± 25% / 10 ° C

Humidity sensor output

analog output	0 ... 10 V, 4...20mA
Data Interface	RS-485 Modbus RTU
transfer mode	8N1, 8N2, 8E1, 8O1
	4800 bps
	9600 bps
baud rate	19200 bps
	38400 bps
	57600 bit / s

General technical data for humidity sensors

supply voltage	19 V ... 30 V DC
power	<1.5 W
ambient temperature	- 30 ° C ... 85 ° C
Max. humidity	≤ 95% RH
preheat	15 minutes
degree of protection	IP 65
Assembly	wall mounting
Dimensions (wxhxd)	> 35 x 58 x 118 mm
Weight	125 g

Ordering code

PCE-P18- **A0E0**

- 0** : RS485
1 : 4...20mA, RS485
2 : 0..10V, RS485

More information

Manual



More product info



Similar products



Subject to change