RELATIVE HUMIDITY METER PCE-P18 0...10V

PCE-P18-2A0E0



- **Humidity- and temperature-sensor**
- **0...10 V output**
- **Simple wall fastening**
- **RS-485 interface**
- **For constant monitoring**
- **Different filters deliverable**
- **Small measuring**
- **Modbus RTU**

The relative humidity meter can be used to monitor air humidity and temperature in HVAC engineering. The relative humidity meter releases the measured indicator as a standard signal 0...10 V (not galvanic isolated). Air humidity and temperature are detected accurately due to a semiconductor. For operation the relative humidity meter is supplied via direct current. The measuring data is then shown via a two-wire line. All connections are made via screwed-contacts with water-proof IP 65 enclosure.

Aside from displaying the signal as a 0...10 V signal the measuring data can also be read through a RS485 interface. This feature is especially useful if different measuring points are to be connected during your building monitoring. For further information about the relative humidity meter please read the following technical data or use our contact form. Our engineers and technicians will gladly advise you regarding the relative humidity meter PCE-P18-3 or any other of PCE Instruments product in the areas of regulation and control or scales and balances.

Specification

Relative humidity	
Measuring range	0 ... 10 % RH
Resolution	0,1 %
Accuracy	±3 % RH
Relative humidity	
Measuring range	10 ... 90 % RH
Resolution	0,1 %
Accuracy	±2 % RH
Relative humidity	
Measuring range	90 ... 100 % RH
Resolution	0,1 % RH
Accuracy	±3 % RH
Temperature	
Measuring range	-20 ... +60 °C
Accuracy	±0.5% FS, temperature effect: ±25% / 10°C

General technical data	
Outputs	0 ... 10V DC
Display type	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 (L x W x H)	118 x 35 x 58 mm
Weight	125 g

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