



Humidity Sensor PCE-P18L



Humidity sensor converts temperature or humidity to a 4 ... 20 mA signal/ high precision/ supply via current loop / wall mounting

The humidity sensor PCE-P18L was developed and constructed for the permanent monitoring of temperature or humidity. The compact dimensions of the humidity sensor are the characteristics of this instrument. The measurement of the temperature and humidity is via a semiconductor component. Internally, the physical quantities to be measured are converted to a 4 ... 20 mA standard signal. The power of this measuring instrument is connected to a DC voltage into a current loop and is thus ideally suited for displays with transmitter power supply. But it can also be connected to the paperless recorder for long-term monitoring of environmental conditions.

- sensor for temperature and humidity
- 4 ... 20 mA output
- easy wall mounting

- for permanent monitoring
- various filters available
- small size

Subject to change

Specifications

Technical Data

Humidity

Measuring range	0 ... 100 % RH
	± 2 % (in the range 10% ... 90% RH)
Accuracy	± 3 % (remaining range)
Hysteresis	± 1 % RH

Temperature

Measuring range	- 20 ... 60 °C
Accuracy	± 0.5 % of measuring range
Temperature effect	± 25 % / 10 °C
Output current	4 ... 20 mA
Max. connectable resistor at the output	≤ 500 Ω
Supply voltage	19 V ... 30 V DC
Performance	< 1.5 W
Setting the output size	via DIP - switch
Ambient temperature	- 30 °C ... 85 °C
Max. humidity	≤ 95 % RH
Preheating	15 minutes
Degree of protection	IP 65
Mounting	Wall mounting
Dimensions (W x H x D)	35 x 58 x 118 mm
Weight	125 g

More information

Manual



More product info



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