

HUMIDITY SENSOR

PCE-P18L



- » • **sensor for temperature and humidity**
- » • **4 ... 2 mA output**
- » • **easy wall mounting**
- » • **for permanent monitoring**
- » • **various filters available**
- » • **small size**

/ The humidity sensor 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 ... 2 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.

Specification

Relative humidity

Measuring range up to 0 ... 9 %

Accuracy $\pm 3\%$ RH

Temperature

Measuring range up to -20 ... +60 °C

Accuracy $\pm 0.5\%$ of range

General technical data

Display Typ without display

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