AIR HUMIDITY METER

PCE-THB 38



- **Measures temperature, humidity and barometric pressure**
- **Calculates dew point**
- **Selectable pressure units: hPa, (mbar), mmHg and inHg**
- **Battery level indicator**
- **Minimum, maximum and hold functions**
- **Protected internal sensor**
- **Good price**
- **Light weight**
- **Easy to use**
- **Durable enclosure**
- **Highly accurate measurements**

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The PCE-THB 38 air humidity meter is ideal for detecting and digitally displaying humidity, temperature and barrometric pressure. Temperature is measured by an RTD sensor and air humidity is measured by a highly repeatable capacitive sensor. The air humidity meter also calculates dew point. The air humidity meter also shows atmospheric pressure in a range of 10 to 1100hPa. With all of these features, it is a complete climatological device. It is shipped from the manufacturer already calibrated. Otherwise, a laboratory calibration and certificate can be ordered which meets ISO calibration standards.

Specification

Air pressure	
Measuring range	10 ... 999,9 hPa
Resolution	0,1 hPa
Accuracy	±1.5 hPa
Air pressure	
Measuring range	1000 ... 1100 hPa
Resolution	1 hPa
Accuracy	±2 hPa
Air pressure	
Measuring range	7,5 ... 825 mmHg
Resolution	0,1 mmHg
Accuracy	±1.2 mmHg
Air pressure	
Measuring range	0,29 ... 32,48 inHg
Resolution	0,01 inHg
Accuracy	±0.05 inHg
Dew point	
Measuring range	-25,3 ... +48,9 °C
Resolution	0,01 °C
Accuracy	The dew point is calculated from the humidity and temperature.
Dew point	
Measuring range	-13,5 ... +120,1 °F
Resolution	0,018 °F
Accuracy	The dew point is calculated from the humidity and temperature.
Relative humidity	
Measuring range	10 ... 95 % RH
Resolution	0,1 % RH
Accuracy	±(3% by weight + 3% relative humidity)
Temperature	
Measuring range	0 ... 50 °C
Resolution	0,1 °C
Accuracy	±0.8 °C
Temperature	
Measuring range	32 ... 122 °F
Resolution	0,18 °F
Accuracy	±1.44 °F

General technical data	
Measuring functions	HOLD
Display type	LCD
Display size	1,36 Inch
Memory information	Storage of maximum and minimum values.
Automatic power-off	10 min
Housing	ABS (acrylonitrile-butadiene-styrene copolymers)
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	batteries
(Rechargeable) battery	4 x 1,5 V AAA battery , Alkali-manganese
Capacity	1200 mAh
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	0 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	210 x 40 x 40 mm
Weight	160 g

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