MULTI-FUNCTION ABSOLUTE AIR MOISTURE METER

PCE-WM1



- **Measures relative humidity, air temperature and surface temperature**
- **Calculates absolute humidity and dew-point temperature**
- **Includes external sensor probe for taking surface temperature**
- **Displays measurements in Metric units only**
- **Features minimum, maximum, peak hold and non-linearity correction functions**

PCE-WM1 is a multi-function absolute air moisture meter or absolute humidity detector used to determine relative humidity (% RH), absolute humidity (g/m³), air temperature, dew-point temperature and surface temperature (°C). This Metric-only measuring instrument comes complete with an external sensor probe for taking the surface temperature of different materials.

This device is used extensively in the construction industry to evaluate building materials and working conditions. It is also used in the food industry to ensure product quality and freshness. In addition, heating, ventilation and air conditioning (HVAC) technicians trust this meter to perform HVAC system performance audits.

The humidity detector is calibrated by the manufacturer. An optional ISO calibration certificate issued by an accredited calibration laboratory can be ordered. Please see the accessories tab for details.

Specification

Absolute moisture	
Measuring range	0,1 ... 199,9 g/m³
Resolution	0,1 %
Accuracy	±2 %
Dew point	
Measuring range	-19,5 ... +79,8 °C
Resolution	0,1 °C
Accuracy	±0.5°C
Relative humidity	
Measuring range	10 ... 95 %
Resolution	0,1 %
Accuracy	±3%
Temperature	
Measuring range	-20 ... +80 °C
Resolution	0,1 °C
Accuracy	±0.5 °C

General technical data	
Measuring functions	MIN, MAX, Peak hold
Response time	15 s
Automatic power-off	4 min
Dimensions	Humidity sensor: 150 x 30 mm Temperature sensor: 50 x 30 mm with 1.1 m cable
Protection class (device)	IP20
Power supply	Battery
(Rechargeable) battery	1 x 9 V 9V block , Alkali-manganese
Capacity	640 mAh
Operating conditions	-20 ... 50 °C , 0 ... 100 % RH
Storage conditions	-20 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	165 x 80 x 33 mm
Weight	380 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk