

Thermo Hygrometer PCE-EMD 5-ICA incl. ISO Calibration Certificate



**Thermo hygrometer with robust aluminium frame / Digit height 100 mm (3.9") /
Temperature measuring range 0 ... 50 °C / Humidity measuring range 0.0 ... 99.9% RH /
Connection of up to four sensors at the same time / Incl. ISO calibration certificate**

The thermo hygrometer can be connected to up to four external temperature and humidity modules. The temperature measuring range for the sensors of the thermo-hygrometer is 0.0 ... 50.0 °C and the humidity measuring range is 0.0 ... 99.9% RH. The power supply of the thermo-hygrometer is via a mains connection of 110 ... 220 V AC. The integrated sensor supply can supply the connected sensors from the thermo-hygrometer with 12 or 24 V DC.

As soon as the sensors are connected, they are automatically recognized by the thermo hygrometer. The communication between the sensor modules and the thermo-hygrometer takes place via an analog 4 ... 20 mA signal. If several sensors are connected, the average reading of all sensors is displayed on the thermo-hygrometer. Thus, the thermo-hygrometer is used, for example, in event halls, restaurants or in public buildings to monitor the ambient conditions.

Both the thermo hygrometer and the sensor module are mounted on a wall. If necessary, the thermo-hygrometer can be mounted on a monitor bracket with the mounting dimensions 75 x 75 mm (2.95 x 2.95"). This allows the thermo-hygrometer to be ideally aligned. The thermo-hygrometer can optionally be equipped with an ISO calibration certificate.

- ▶ Digit height of 100 mm (3.9")
- ▶ Measuring ranges: 0.0 ... 50.0 °C
- ▶ Wall mounting
- ▶ Connection of up to four external sensors
- ▶ Analog 4 ... 20 mA input signal
- ▶ incl. ISO Calibration Certificate

Specifications

Measuring range temperature	0.0 ... 50.0 °C
Resolution	0.1 °C
Accuracy	±0.5 °C
Measuring range humidity	0.0 ... 99.9 % RH
Resolution	0.1 % RH
Accuracy	±3 % RH
Further specifications	
Response time	<15 seconds at a wind speed of <1 m/s
Display interval	1 Hz
Number of usable sensors	4
Digit height	100 mm / 3.9"
Digit colour	white
Sensor supply voltage	12 and 24 V DC
Maximum sensor supply current	100 mA
Impedance current input	<200 Ω
Housing material	black painted aluminium housing
Screen protection	anti-reflective methacrylate
Housing material sensor	ABS
Protection class display	IP20
Protection class sensor	IP30
Power supply display	110 ... 220 V AC 50 / 60 Hz
Maximum power consumption	18 W
Mounting display	wall mounting, monitor stand (75 x 75 mm / 2.95 x 2.95")
Mounting sensor	wall mounting
Terminal strip power supply cable cross-section	0.5 ... 2.5 mm ² (AWG 14) rigid cable 0.5 ... 1.5 mm ² (AWG 15) flexible cable
Terminal strip sensor connection cable cross-section	0.14 ... 0.15 mm ² (AWG 18) rigid cable 0.15 ... 1 mm ² (AWG16) flexible cable
Terminal strip torque	1.2 Nm
Terminal strip screw length	<12 mm / 0.47"
Dimensions display	535 x 327 x 53 mm / 21.0 x 12.8 x 2.0"
Dimensions sensor	80 x 80 x 35 mm / 3.1 x 3.1 x 1.3"
Operating conditions	-10 ... 60 °C, 5 ... 95 % RH, non-condensing
Storage conditions	-20 ... 70 °C, 5 ... 95 % RH, non-condensing
Weight display	4579 g / 161.5 oz
Weight sensor	66 g / 2.3 oz

More information

CE Certificate



More product info



Similar products



Subject to change