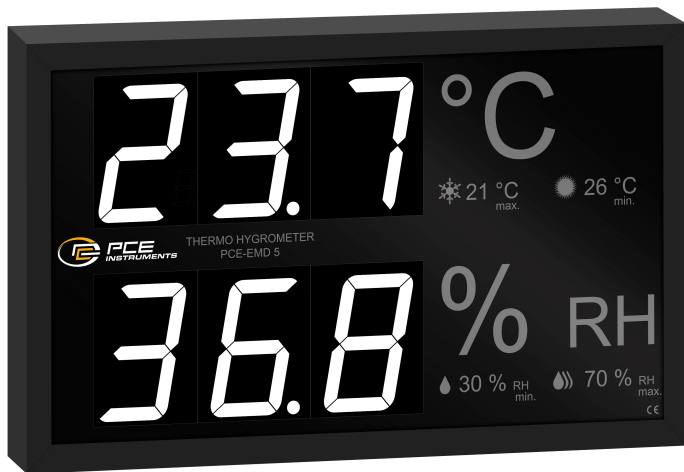


TEMPERATURE AND HUMIDITY INDICATOR

PCE-EMD 5



- » **Digit height of 1 mm (3.9")**
- » **Measuring ranges: . . . 5. °C**
- » **Wall mounting**
- » **Connection of up to four external sensors**
- » **Analog 4 ... 2 mA input signal**
- » **Optionally with ISO calibration certificate**

The thermometer can be connected to up to four external temperature and humidity modules. The temperature measuring range for the sensors of the thermo-hygrometer is . . . 5. °C and the humidity measuring range is . . . 99.9% RH. The power supply of the thermo-hygrometer is via a mains connection of 11 ... 22 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 thermometer. The communication between the sensor modules and the thermo-hygrometer takes place via an analog 4 ... 2 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 thermometer 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.

Specification

Relative humidity

Measuring range up to 0 ... 99,9 %RH

Resolution 0,1 %RH

Accuracy $\pm 3\%$ RH

Temperature

Measuring range up to 0 ... 50 °C

Resolution 0,1 °C

Accuracy $\pm 0.5^\circ\text{C}$

General technical data

Number of measuring channels 4

Digit size [WxH] H. 100 mm

Response time 15 s

Dimensions Display: 535 x 327 x 53 mm
Sensor: 80 x 80 x 35 mm

Protection class (device) IP20, IP30

Power supply Sensor 12 und 24 V DC
Display 110 ... 220 V AC 50 / 60 Hz

Operating conditions -10 ... 60 °C , 5 ... 95 %RH

Storage conditions -20 ... 70 °C , 5 ... 95 %RH

Dimensions (L x W x H) 535 x 327 x 53 mm

Weight 457 g