



Humidity Detector

PCE-HT 110

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PCE-HT110 Air Humidity Meter
2-channel data logger with real-time LCD display and SD card memory

The PCE-HT110 Air Humidity Meter or Humidity Detector precisely measures air temperature and relative humidity. This accurate and reliable device shows the current measurements on the large LCD display and saves the measurement data directly to an SD card (included). The PCE-HT110 is equipped with two channels, accommodates an SD card memory of up to 16 GB, offers an adjustable measurement rate / sampling interval, and includes a wall mount, making the device ideal for logging data over an extended period of time.

The PCE-HT110 Humidity Detector can be used to monitor climate-controlled environments such as supermarket refrigerators, refrigerated / reefer trucks and cold storage units. It is also useful for monitoring home HVAC systems, wood floor installations, cigar humidors, industrial heating and cooling processes, machine operating temperatures and product storage / warehouse conditions.

The PCE-HT110 comes factory calibrated. For an additional fee, the PCE-HT110 can be calibrated according to ISO standards. See accessories for details.

- Low battery indication
- Programmable date and time
- Impact-resistant electrical components
- Sturdy, dust- and water-resistant enclosure
- .XLS data format (compatible with Microsoft Excel)
- Battery powered (optional 9 V AC adapter available)
- Optional USB data cable incl. software allows real-time data visualization via PC

Technical specifications

| | |
|--------------------------------------|---|
| Measurement ranges | 0 ... +50 °C / 32 °F ... 122 °F, 10 ... 90 % RH |
| Accuracy | ±0.8 °C, >+70 % RH ±4 % of the measurement value ±1 % RH, > +70 % RH ±4 % RH |
| Resolution | 0.1 °C / 0.1 % RH |
| Memory | 1 ... 16 GB SD card |
| Measurement rate / sampling interval | 5, 10, 30, 60, 120, 300 or 600 seconds, or auto (it stores data when there is an alteration in the value of ±1 °C, or ± 1 % RH) |
| Date and time | Programmable |
| Power | 6 x 1.5 V AAA batteries / 9 V power adapter (optional) |
| Operating conditions | 0...+50 °C / 32 °F ... 122 °F, 0 ... 90 % RH |
| Dimensions | 132 mm x 80 mm x 32 mm / 5.2 in x 3.1 in x 1.3 in |
| Weight | 282 g / 0.62 lbs |

Delivery content

- 1 x PCE-HT110 air humidity meter
- 1 x SD memory card
- 1 x wall mount
- 6 x batteries
- 1 x user manual