DATALOGGING HUMIDITY DETECTOR

PCE-HT110



- **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 9V AC adapter available)**

The PCE-HT110 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.

Customer Review

"We use a humidity / temperature monitor from the PCE Group, Model PCE-HT110. It logs both temperature and humidity on an ongoing basis at regular intervals. The measurements are stored on an SD card which allows one to download the data to a spreadsheet for reference. Prior to receiving the unit, PCE sent it to a certified calibration service to ensure the unit was recording accurately. This has been very helpful to our work.

Specification

Relative humidity	
Measuring range	10 ... 90 %
Resolution	0,1 % RH
Accuracy	±4 % RH
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	
Display type	LCD
Display size	3 Inch
Storage medium	SD card
Storage capacity	16 GB
Memory capacity (additional information)	possible memory cards 1 ... 16 GB / 2 GB memory card included
Storage interval from	5 s
Storage interval to	600 s
Interface	SD card
Operating time	1 Month(s)
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	6 x 1,5 V AAA battery , Alkali-manganese
Capacity	1200 mAh
Operating conditions	0 ... 50 °C , 0 ... 85 % RH
Storage conditions	0 ... 50 °C , 0 ... 85 % RH
Dimensions (L x W x H)	132 x 80 x 32 mm
Weight	282 g