PCE-330 Climate meter incl. ISO calibration certificate
For determining ambient temperature, relative humidity and dew point temperature

PCE-330 is an climate meter or hygro-thermometer with a quick-response sensor for measuring ambient temperature and relative humidity. This multipurpose handheld device also determines dew point temperature. Equipped with an easy-to-read dual display, this data-logging indoor air quality (IAQ) meter features a large internal memory with storage for up to 16,000 recorded values. Using the included Windows-compatible software and USB cable, the recorded data can be transferred to a PC for further analysis.

PCE-330 is well suited for long-term IAQ monitoring and environmental data acquisition. This combination climate meter / thermometer can be used to verify the integrity of the cold chain during the transport and warehousing of refrigerated food and pharmaceutical products. Compact and portable, this versatile meter is also ideal for evaluating the performance of heating, ventilation and air conditioning (HVAC) systems in industrial, commercial and residential properties.

- Quick-response sensor measures temperature and relative humidity
- Adjustable temperature measuring units (°C / °F)
- Minimum, maximum, data hold, recording data logger and automatic power off functions
- Internal memory saves up to 16,000 date- and time-stamped readings
- Windows-compatible software and USB cable included in delivery contents for data transfer to PC
- Battery powered (optional AC power adapter available as an accessory)
- **Incl. ISO calibration certificate**

Specifications:

Measuring range

Relative humidity	0 ... 100 % RH
Ambient temperature	-20 ... 60°C / -4 ... 140°F
Dew point temperature	-20 ... 60°C / -4 ... 140°F

Resolution

Temperature and humidity	0.1°C / 0.18°F

Accuracy (at 23°C / 73.4°F)

Relative humidity	10 ... 90% RH = ± 2.0% RH < 10% RH, > 90% RH = ± 4.0% RH
Temperature	-20 ... 60°C / -4 ... 140°F = ± 0.8°C / ± 1.5°F

Response time

Relative humidity	60 sec.
Temperature	10 sec.

Additional specifications

Sensor hysteresis	< 1.5% RH
Temperature coefficient	0.1 x (specific accuracy) per 1°C / 1.8°F (< 23°C / 73.4°F or > 23°C / 73.4°F)
Sample rate	2 times per second
Battery	1 x 9V battery
Battery life	Approx. 80 hours (alkaline battery)
AC power adapter	Optional, 9V DC / 7~10V max, 20-mA min.
Operating temperature	0 ... 40°C / 32 ... 104°F
Operating humidity	10 ... 90% RH
Storage temperature	-10 ... 60 °C / 14 ... 140°F)
Storage humidity	10 ... 75% RH

Dimensions

Meter	185 x 65 x 36 mm / 7.28 x 2.56 x 1.42 in
Sensor	RP-32: 15 x 94 mm / 0.59 x 3.70 in
Weight	Approx. 285 g / < 1 lb

Delivery scope:
1 x PCE-330 climate meter with sensor
1 x Battery
1 x USB cable
1 x CD-ROM with Windows-compatible software
1 x User manual
1 x ISO calibration certificate