

## **Multifunction PCE-THB 38 Hygrometer . (thermometer, humidity meter and Hygrometer all in one device)**

The PCE-THB 38 Hygrometer is ideal for detecting and digitally displaying humidity, temperature and barometric pressure. Temperature is measured by an RTD sensor and air humidity is measured by a highly repeatable capacitive sensor. The Hygrometer also calculates dew point. The Hygrometer also shows atmospheric pressure in a range of 10 to 1100hPa. With all of these features, it is a complete climatological device. It is shipped from the manufacturer already calibrated. Otherwise, a laboratory calibration and certificate can be ordered which meets ISO calibration standards.

- Measures temperature, humidity and barometric pressure
- Calculates dew point
- Selectable pressure units: hPa, (mbar), mmHg and inHg
- Battery level indicator
- Minimum, maximum and hold functions
- Protected internal sensor
- Good price
- Light weight
- Easy to use
- Durable enclosure
- Highly accurate measurements

**Measurement ranges**

-Temperature	0 to 50°C
-Relative air humidity	10 to 95% r.h.
-Barometric pressure	10 to 1100 hPa (mbar)
-Dew point temperature	-25 to 49°C

**Resolution**

-Temperature	0.1°C
-Relative air humidity	0.1% r.h.
-Barometric pressure	0.1 hPa to 1000 hPa (but 1 hPa)
-Dew point temperature	0.01°C

**Accuracy**

-Temperature	±0.8°C
-Relative air humidity	±3% of reading or ±1% (<70% r.h., but ±3% r.h.)
-Barometric pressure	±1,5 hPa to 1000 hPa, but ±2 hPa

Operating temperature 0 to 50°C

Power 4 AAA batteries

Dimensions 120 x 40mm

Weight (with batteries) 160g

**Contents:**

1 x PCE-THB 38 Hygrometer

4 x batteries