

# Handheld Hygrometer PCE-444



**PCE-444 Handheld Hygrometer**

**Handheld mini climate meter measures air temperature, relative humidity, dew point temperature and wet bulb temperature**

PCE-444 is a combination digital hygrometer and digital thermometer used to measure air temperature, relative humidity, dew point temperature and wet bulb temperature. This portable handheld pocket-sized mini thermo-hygrometer allows for the quick and easy determination of indoor ambient environmental conditions. Applications include monitoring climates of refrigerated trucks, warehouses, construction sites and HVAC installations, where excess moisture, condensation and uneven temperatures can create mold, spoilage and health hazards.

- ▶ Measures air temperature, relative humidity, dew point temperature and wet bulb temperature
- ▶ Temperature units displayed in degrees Celsius (°C) and degrees Fahrenheit (°F)
- ▶ Minimum, maximum and hold functions
- ▶ Easy-to-read backlit LCD screen
- ▶ Low-battery indicator
- ▶ Quick response time
- ▶ Automatic shutdown (can be disabled)

# Specifications

Measuring range of temperature	-20 ... 70°C / -4 ... 158°F
Measuring range of relative humidity (RH)	0 ... 100% RH
Measuring range of dew point temperature	20 ... 70°C / -4 ... 158°F
Measuring range of wet bulb temperature	20 ... 70°C / -4 ... 158°F
Measuring accuracy of temperature	± 1.0°C / 1.8°F
Measuring accuracy of relative humidity	45 ... 75%: ± 3.0% RH, otherwise: ± 4.5% RH
Measuring accuracy of dew point temperature	± 1.5°C / 2.7°F at 25°C / 77°F, 40 ... 70% RH
Measuring accuracy of wet bulb temperature	± 1.5°C / 2.7°F
Resolution of temperature	0.1°C / 0.18°F
Resolution of relative humidity	0.1% RH
Resolution of dew point temperature	0.1°C / 0.18°F
Resolution of wet bulb temperature	0.1°C / 0.18°F
Automatic shutdown	After 15 minutes of inactivity (can be disabled)
Operating temperature	-20 ... 60°C / -4 ... 140°F
Storage temperature	-20 ... 60°C / -4 ... 140°F
Power supply	3 x 1.5V AAA batteries
Battery life	Approx. 50 hours of continuous use at full charge
Dimensions	168 x 56 x 30.5 mm / 6.6 x 2.2 x 1.2 in
Weight	75 g / < 1 lb

Subject to change