CLIMATE METER

PCE-444-ICA



- **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**

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.

Specification

Wet bulb temperature	
Measuring range	20 ... 70 °C
Resolution	0,1 °C
Accuracy	±1.5 °C
Dew point	
Measuring range	20 ... 70 °C
Resolution	0,1 °C
Accuracy	±1.5°C at 25°C / 40 ... 70% RH
Relative humidity	
Measuring range	0 ... 45 % RH
Resolution	0,1 % RH
Accuracy	±4.5 % RH
Relative humidity	
Measuring range	45 ... 75 % RH
Resolution	0,1 % RH
Accuracy	±3.0 % RH
Relative humidity	
Measuring range	75 ... 100 % RH
Resolution	0,1 % RH
Accuracy	±4.5 % RH
Temperature	
Measuring range	-20 ... +70 °C
Resolution	0,1 °C
Accuracy	±1.0 °C

General technical data	
Measuring functions	HOLD, MIN, MAX
Display type	LC colour display with backlight
Display size	1,6 Inch
Operating time	50 h
Automatic power-off	15 min
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	3 x 1,5 V AAA battery , Zinc-manganese dioxide
Capacity	1200 mAh
Operating conditions	-20 ... 60 °C , 0 ... 100 % RH
Storage conditions	-20 ... 60 °C , 0 ... 80 % RH
Dimensions (L x W x H)	168 x 56 x 30,5 mm
Weight	75 g