MULTI FUNCTION INFRARED THERMOMETER

PCE-675



- **Low measurement sequence**
- **Emissivity adjustable between .1 and 1.**
- **Automatic shutdown**
- **Switchable laser sighting aid**
- **Measured value display selectable between °C and °F**
- **Different exhibition settings**
- **Battery operation**
- **Compact and robust design**

The infrared thermometer has a 13:1 spot-to-spot ratio and can accurately measure surface temperatures and ambient humidity over a very long distance. The infrared thermometer brings advantages, such as a simple operation and a red sighting laser. These features allow the near perfect alignment of the infrared thermometer for accurate measurements.

The infrared thermometer is universally applicable. The integrated flashlight allows the measuring point to be illuminated in the dark. The individual settings of the infrared thermometer allow a wide range of temperatures and humidity to be measured. The infrared thermometer does not have a fixed emission value, but has a setting span of 0.1 to 1.0, thus covering more than 90% of all temperature measurement tasks.

Specification

Wet bulb temperature	
Measuring range	-20 ... +60 °C
Resolution	0,1 °C
Accuracy	25°C: ± 1.5°C
Type K temperature	
Measuring range	-50 ... +850 °C
Resolution	0,1 °C
Accuracy	±1.5% or ±1.5% °C the larger value counts
Infrared temperature	
Measuring range	-50 ... 0 °C
Resolution	0,1 °C
Accuracy	±3 °C
Infrared temperature	
Measuring range	0 ... 550 °C
Resolution	0,1 °C
Accuracy	±1.5 or ±2.0 °C the larger value counts
Dew point	
Measuring range	-20 ... +60 °C
Resolution	0,1 °C
Accuracy	25 °C, 40 ... 80 % R.H.: ±1.5 °C
Relative humidity	
Measuring range	0 ... 34 %RH
Resolution	1 %RH
Accuracy	±5 % RH
Relative humidity	
Measuring range	35 ... 75 %RH
Resolution	1 %RH
Accuracy	±3.0 % RH
Relative humidity	
Measuring range	76 ... 100 %RH
Resolution	1 %RH
Accuracy	±5 % RH
Temperature	
Measuring range	-20 ... -1 °C
Resolution	0,1 °C
Accuracy	±2 °C
Temperature	
Measuring range	0 ... 40 °C

General technical data	
Outputs	Interface for K-type sensor
Units	°C, °F
Display Typ	LCD
Display size	1,8 Inch
Response time	500 mS
Automatic power-off	1 min.
Measurement Spot	13:1
Laser	Class 2 <1mW
Emissivity Level from/to	0.1 ... 1
Emissivity	0,95
Spectral range	8 ... 14 µm
Menu language	English (US), English (GB)
Protection class (device)	IP20
Battery/battery	1 x 9 V 9V Block , Zinc carbon
Battery capacity	220 mAh
Operating conditions	0 ... 50 °C , 0 ... 95 %RH
Storage conditions	-20 ... 70 °C , 0 ... 80 %RH
Dimensions (L x W x H)	105 x 45 x 160 mm
Weight	197 g

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Resolution	0,1 °C
Accuracy	±1.0°C
Temperature	
Measuring range	41 ... 60 °C
Resolution	0,1 °C
Accuracy	±2 °C