

Infrared Thermometer PCE-675 incl. Type K



InfraredThermometer PCE-675

Easy-to-use infrared thermometer with red laser pointer/ Measuring input for K-type / Surface temperatures / Air temperature / Humidity/
Dew point temperature

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.

- ▶ Low measurement sequence
- ▶ Emissivity adjustable between 0.1 and 1.0
- ▶ Automatic shutdown
- ▶ Switchable laser sighting aid
- ▶ Measured value display selectable between °C and °F
- ▶ Different exhibition settings
- ▶ Battery operation
- ▶ Compact and robust design

Specifications

Measuring function Infrared

Measuring range	-50 ... 550 °C
Resolution	≤ 1000 °C/°F: 0.1 °C/°F > 1000 °C/°F: 1 °C/°F
Accuracy	-50 ... 0 °C: ± 3 °C > 0° C: ± 1.5 % or ± 2.0 the larger value counts

Measuring function Type K

Measuring range	-50 ... 850 °C
Resolution	≤ 1000 °C/°F: 0.1 °C/°F > 1000 °C/°F: 1 °C/°F
Accuracy	± 1.5 % or ± 1.5 °C the larger value counts

Measuring function Air temperature

Measuring range	-20 ... 60 °C
Resolution	0.1 °C
Accuracy	0 ... 40 °C: ± 1.0 °C Other: ± 2 °C

Measuring function Humidity

Measuring range	0 ... 100 % r.H.
Resolution	1 %
Accuracy	35 ... 75 % r.H.: ± 3.0 % r.H. Other: ± 5 % r.H.

Measuring function Dew point

Measuring range	-20 ... 60 °C
Resolution	0.1 °C
Accuracy	25 °C, 40 ... 80 % r.H.: ± 1.5 °C

Wet bulb temp.

Measuring range	-20 ... 60°C
Resolution	0.1 °C
Accuracy	25 °C: ± 1.5 °C

Emissivity	adjustable between 0.1 and 1.0
Optical resolution	13 : 1
Response time	≤ 500 ms
Spectral sensitivity	8 ... 14 um
Laser	≤ 1 mW, 630 ... 670 nm, class 2 laser
Automatic shutdown	after one minute
Operating conditions	0 ... 50 °C / ≤ 95% r.H.
Storage conditions	-20 ... 70 °C / ≤ 80 % r.H.
Power supply	9 V battery
Weight	ca. 130 g

More information

Manual



More product info



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