

## Multi function Infrared Thermometer **PCE-675**

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

The thermometer is universally applicable. The integrated flashlight allows the measuring point to be illuminated in the dark. The individual settings of the thermometer allow a wide range of temperatures and humidity to be measured. The 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	<b>-50 ... 550 °C</b>
Resolution	≤ 1000 °C: 0.1 °C > 1000 °C: 1 °C
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: 0.1 °C > 1000 °C: 1 °C
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

**Delivery scope:**

1 x Thermometer PCE-675  
1 x Thermocouple Type-K  
1 x 9 V block battery  
1 x Carrying bag  
1 x User manual