

## Technical Temperature Meter PCE-666

**Combined infrared thermometer for contact and non-contact measurement / measurement via measuring clamp, measuring tip and infrared technology / HOLD function / MIN and MAX measurement / adjustable emissivity**

The infrared thermometer meter PCE-666 is a combined thermometer which can measure with or without contact. The infrared thermometer is equipped with a measuring tip and a measuring clamp. As soon as the measuring tip is unfolded, it will start a temperature measurement automatically. If this is not the case, the measuring clamp will be used for the measurement. Upon confirmation via the infrared key, the non-contact temperature measurement will start additionally. The different measuring functions cover different measurement ranges which can be seen in the technical data. The measuring functions include the Hold function, a limit value function, Auto Power Off, emissivity adjustment, extreme value indication (MIN and MAX) and unit selection between °C and °F. In all modes of measurement, the temperature meter has a resolution of 0.1 C / °F.

Due to the various functions, the infrared thermometer can be used in many different areas of production and quality assurance. These include the manufacturing and storage of food, as well as the production of paints and coatings and other areas in the manufacturing sector.

- Measurement values displayed in °C or °F
- Auto Power Off, Hold function
- Quick measuring sequence (short measuring time)
- Distance-to-target ratio of 1:1
- Resolution of 0.1 °C / 0.1 °F
- Different measurement ranges
- Adjustable emissivity

### Technical Specifications

|  |                                      |
|--|--------------------------------------|
| Temperature range infrared measurement | -35 ... +260 °C (-31 ... +500 °F)    |
| Response time                          | <500 ms                              |
| Infrared accuracy                      | ±2 % of meas. value or ±2 °C (±4 °F) |
| Distance-to-target ratio               | 1:1                                  |
| Emissivity                             | adjustable (0.1 ... 1.0)             |
| Temperature measurement range tip      | -40 ... +260 °C (-40 ... +500 °F)    |
| Temperature measurement range clamp    | -40 ... +230 °C (-40 ... 446 °F)     |
| Aperture clamp                         | 25 mm (1 ")                          |

Accuracy  $\pm 1.5\%$  or  $\pm 2\text{ }^{\circ}\text{C}$  ( $\pm 3.8\text{ }^{\circ}\text{F}$ )

Resolution  $0.1\text{ }^{\circ}\text{C}$  ( $0.1\text{ }^{\circ}\text{F}$ )

Weight 103 g

Dimensions 183 x 52 x 25 mm

Delivery contents

1 x temperature meter PCE-666

1 x battery

1 x instruction manual