

## Infrared thermometer 778-ICA

### **PCE-778-ICA Digital thermometer incl. ISO calibration certificate**

**For measurement from a distance / Adjustable emissivity / Circular laser / Optical resolution: 12:1 / Different measurement modes (MIN / MAX, HOLD, average, difference value, alarm)**

The digital thermometer PCE-778 is a temperature measuring device that can measure from a distance. This contactless measurement with the digital thermometer is suitable for temperatures up to 800°C / 1472°F. Thus, distances can be overcome in which the temperature for the human body would be too high. Often the digital thermometer is used in the food industry, for the prevention of fires of all kinds, in the chemical industry, warehousing and the transport industry. When making measurements, make sure that the laser spot of the digital thermometer is smaller than the area to be measured. If this is not the case, the distance to the measuring surface must be reduced.

The digital thermometer has various functions. These include the extreme value function (maximum / minimum), the HOLD function, the average measurement, a difference measurement, and alarm functions (high / low). The backlight installed on the digital thermometer ensures optimum reading of measured values. The emissivity of the digital thermometer is adjustable by the user himself. By default, the emissivity is preset to 0.95.

- MIN / MAX function
- Circle laser
- Backlit display
- Optical resolution 12: 1
- Differential reading
- Weighted- average and differential reading
- Extreme value measurement
- Alarm function
- **Incl. ISO Calibration Certificate**

### **Specifications:**

Optical resolution	12: 1
Measuring range	-40 ... 800°C / -40 ... 1472°F
Measurement accuracy	Measuring range -40 ... 0°C / -40 ... 32°F: ± 4°C / 7.2°F Measuring range 0 ... 400°C / 32 ... 752°F: ± 1.5°C / 2.7°F Measuring range 400 ... 800°C / 752 ... 1472°F: ± 2°C / 3.6°F
Resolution	0.1°C / 0.18°F at 0 ... 199.9°C / 32 ... 391.8°F 1°C / 1.8°F at > 199.9°C / 391.8°F
Emissivity	0.1 ... 1 (adjustable)
Spectral	8 ... 14 µm
Polarity	No indication: positive polarity Display "-": negative polarity
Automatic shutdown	After 30 seconds of inactivity
Operating conditions	0 ... 50°C / 32 ... 122°F, rH: 10 ... 90%
Storage conditions	-20 ... 60°C / -4 ... 140°F, rH <80%
Power supply	9V block battery
Laser	2nd grade
Weight	250 g / < 1 lb
Dimensions	95 x 83 x 192 mm / 3.7 x 3.3 x 7.6 in

**Delivery scope:**

- 1 x PCE-778-ICA Digital Thermometer
- 1 x Battery (9V battery)
- 1 x Fastening Hook
- 1 x Instruction Manual
- 1 x ISO Calibration Certificate