

Technical Infrared Thermometer PCE - 778

PCE-778 Temperature Meter for measuring from a distance / Adjustable emissivity / Circle Laser / Optical Resolution: 12.1 / measurement modes (MIN / MAX, HOLD, intersection, difference value, alarm)

The PCE-778 Temperature Meter is a temperature measuring device which uses an infrared laser to measure temperatures from a distance. Contactless measurement with the Temperature Meter is suitable for temperatures up to 800 ° C (1472 ° F). Distances can be overcome, and temperatures too high for the human body to handle can still be measured. The Temperature Meter can be used in the food industry, for the prevention of fires of all kind, in the chemical industry, and in the storage and transportation industry. For measurements, make sure that the laser sight of the Temperature Meter is smaller than the area to be measured. If this is not the case, the distance to the measuring surface must be reduced.

The Temperature Meter has several features, including the extreme value (Maximum / Minimum), the HOLD, the mean measurement, differential measurement, and alarm (high / low) functions. The built-in backlight ensures optimal reading in any environment. The emissivity of the Temperature Meter is adjustable by the user, but is preset to 0.95 by default.

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

Technical Specifications

Optical Resolution	12: 1
Measuring Range	-40 °C ... 800 °C / -40 °F ... 1472 °F
Measurement Accuracy	-40 °C ... 0 °C: ±4 °C 0 ... +400 °C: ±1.5 °C +400 °C ... +800 °C: ±2 °C
Resolution	0.1 °C at 0 ... +199.9 °C 1 °C at > 199.9 °C
Emissivity	0.1...1 (adjustable)
Spectral	8 ... 14 microns

Polarity	If no symbol: positive polarity Symbol "-": negative polarity
Automatic shutdown	after 30 seconds of inactivity
Operating conditions	0 ... +50 °C, RH 10 % ... 90 %
Storage Conditions	-20 °C ... +60 °C, RH < 80 %
Power Supply	9V Battery
Laser	Class 2
Weight	250 g / 0.55 lbs
Dimensions	95 mm x 83 mm x 192 mm 3.74 in x 3.26 in x 7.55 in

Delivery Contents

- 1 x PCE-778 Temperature Meter
- 1 x Type K Thermocouple
- 1 x Battery (9 V battery)
- 1 x Calibration Certificate
- 1 x Fastening Hook
- 1 x Instruction Manual