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## Technical Infrared Thermometer PCE-IR 1300

### PCE-IR 1300 Infrared Thermometer

High-temperature IR pyrometer gun measures temperatures up to 1300 °C / 2372 °F

PCE-IR 1300 is a high-temperature infrared (IR) thermometer gun or pyrometer ideal for use in steel, metal and ceramic mold casting and other high-temperature industrial applications. Thanks to an impressive optical resolution of 120:1, the PCE-IR 1300 pyrometer can measure the temperature of very small objects. In addition, the pyrometer's emissivity can be adjusted according to the surface of the material to be measured.

The pyrometer's internal memory stores up to 2000 measurement protocols. The device includes a USB port, data cable and Windows-compatible software for quick and easy data transfer to a PC for further analysis.

- Adjustable temperature units: Celsius (°C) or Fahrenheit (°F)
- Adjustable emissivity
- Optical resolution of 120:1
- Max, min, hold, high / low alarm and auto shut-off functions
- Temperature offset capability
- Easy-to-use trigger control
- Laser
- Telescope
- LCD with backlight
- Internal memory stores up to 2000 measurement protocols
- USB port, data cable and Windows-compatible software for data transfer to PC

#### Technical specifications:

Measurement range:	0 ... 1300 °C / 32 ... 2372 °F
Accuracy:	±2 °C 0 ... 200 °C ±1 % 200 ... 1300 °C
Repeatability:	±1 °C 0 ... 200 °C

	±0.5 % 200 ... 1300 °C
Optical resolution:	120:1
Spectral range:	8 ... 14 µm
Emissivity:	Adjustable, 0.100 ... 1.000
Response time:	300 ms (95%)
Aim method:	Laser and telescope
Functions:	Max, min, hold, high / low audible and visual alarm, auto shut-off
Memory:	Internal, stores up to 2000 measurement protocols
PC interface:	USB port
Software:	Compatible with Windows
Backlight:	Three color
Power supply:	Rechargeable Ni-MH battery
Storage temperature:	-20 ... 60 °C / -4 ... 140 °F (no battery)
Ambient temperature:	0 ... 50 °C / 32 ... 122 °F (no green laser)
Relative humidity:	10 ... 95% RH, non-condensing
Dimensions:	Approx. 264 x 203.5 x 60 mm / 10.4 x 8 x 2.4"
Weight:	Approx. 1000 g / 2.21 lbs

#### **Delivery contents:**

- 1 x PCE-IR 1300 infrared thermometer
- 1 x USB data cable
- 1 x software
- 1 x rechargeable battery
- 1 x battery charger
- 1 x carrying case
- 1 x user manual