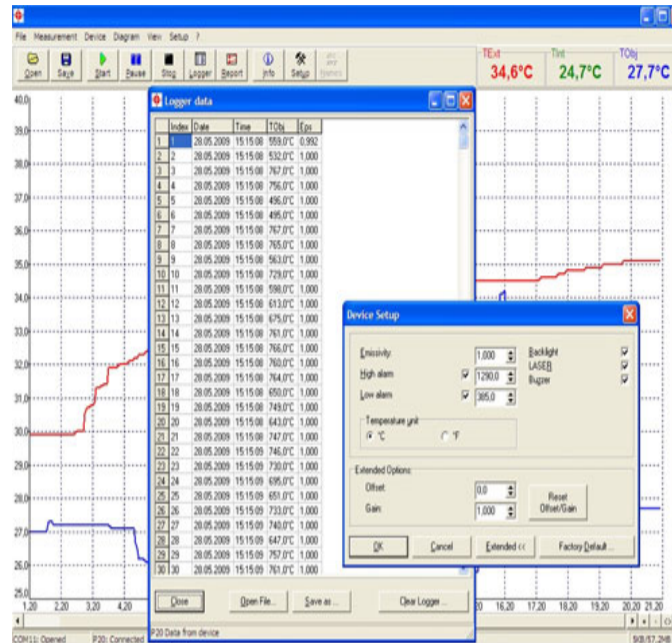


Pyrometer PCE-IR 1800



PCE-IR 1800 Pyrometer

High-temperature infrared (IR) thermometer gun measures temperatures up to 1800°C / 3272°F

PCE-IR 1800 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 300:1, the PCE-IR 1800 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 300:1
- ▶ 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

Specifications

Measuring range	650 ... 1800°C / 1202 ... 3272°F
Spectral	1.0 µm
Accuracy	± (0.3% TMess ± 1°C / 1.8°F)
Reproducibility	± (0.1% TMess ± 1°C / 1.8°F)
Optical resolution	300: 1
Response time	100 ms
Visor	Double laser class II (<1 mW)
Focus	12 mm / .4 in @ 3.6 m
Scope	All types
Additional functions	MIN / MAX / Scan / HOLD
Alarm functions	Optical and acoustic HIGH / LOW alarm
Emissivity	Adjustable between 0.100 ... 1.000
Data storage	2000 readings
Interface	USB
Software	Data cable and software included
LCD lighting	Three-color alarm display
Tripod mounting device	Yes, for all standard tripods
power supply	Ni-MH rechargeable battery
Battery life	5 h with laser and display illumination, 25 h without laser and display illumination
adapter	220VAC, 50 / 60Hz
storage temperature	-20 ... 60°C / -4 ... 140°F
ambient temperature	0 ... 50°C / 32 ... 122°F
Relative humidity	10 ... 95% non-condensing
Dimensions	264 x 203.5 x 60 mm / 10.4 x 8 x 2.4 in
Weight	1000 g / 2.2 lbs

The Connect Report software for the PCE-IR 1000 Series high-temperature meter is included in delivery and offers the following options:

- Change device settings
- Download logger data
- Display and record temperature-time history
- Easily create image-based temperature reports

More information

Manual



More product info



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