Infrared Thermometer PCE-894

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Infrared thermometer with thermocouple input / Dual laser / Large display / Range up to 1850°C (3362°F) / Fast response / Adjustable emissivity / Backlight / Bluetooth / HOLD / MAX / MIN / DIF / AVG / LOCK function

The PCE-894 dual-laser infrared thermometer has a temperature range of -50°C to 1850°C / -58 ... 3362°F. The laser infrared thermometer has an optical resolution of 50: 1 and enables a precise, non-contact temperature measurement of very small areas. This allows you to measure the pipe temperature with the double infrared thermometer, eg in heating, ventilation or air conditioning, without the ambient temperatures of the adjacent surfaces influencing the exact measured values of the pipe. The double laser infrared thermometer is also used widely in the automotive industry. On engine test benches, the surface temperatures of the engines can be determined quickly and reliably during a test run. The temperature of freshly painted sheet metal and plastic parts can also be measured without leaving any traces on the parts. The infrared thermometer with cross laser can also be used in other areas of industry and craft for maintenance and servicing, the infrared thermometer can be used ideally for the measurement of rotating or live parts.

The special feature of the double-laser infrared thermometer lies in the short response time (150 ms) without touching the test object. The point infrared thermometer is also used in the food industry because the products are not contaminated. The infrared thermometer with dual laser has a memory and a USB interface to enable an online recording of the measured values. In addition to the infrared measurement, you can also connect thermocouple probes via the type K thermocouple connection on the device so that you can carry out various tasks with one device. The cross laser infrared thermometer also offers the possibility to set alarm functions and to adjust the emissivity (explanation of the emissivity) of the measuring task.

- Temperature range from -50 ... 1850°C / -58 ... 3362°F
- Adjustable emissivity
- Short response time of 150 ms
- Big display
- Double laser for better sighting
- Max-Min function
- Backlight
- Bluetooth interface

*****ATTENTION*** Our temperature sensors are designed for industrial and laboratory surface temperature measurement ONLY. They are not designed or certified for body temperature measurement or for medical use.**

Subject to change

Specifications

Measurement function

infrared

Measuring range	-50 ... 1850°C / -58 ... 3362°F
Resolution	< 1000°C: 0.1°C / 1832°F: 0.18°F
	> 1000°C: 1°C / 1832°F: 1.8°F
Accuracy	< 20°C: ± 3°C / 68°F: ± 5.4°F
	< 500°C / 932°F: ± 1% of rdg.
	< 1000°C / 1832°F: ± 1.5% of rdg.
	< 1850°C / 3362°F: ± 2% of rdg.

Measuring function

thermocouple

Measuring range	-50 ... 1370°C / -58 ... 2498°F
Resolution	< 1000°C: 0.1°C / 1832°F: 0.18°F
	> 1000°C: 1°C / 1832°F: 1.8°F
Accuracy	< 0°C: ± 2°C / 32°F ± 3.6°F
	< 1370°C: ± 0.5% of rdg. +1.5°C / 2498°F: ± 0.5% of rdg. + 2.7°F

Optical resolution	50: 1
Emissivity	0.1 ... 1
Response time	150 ms
Spectral	8 ... 14 µm
Operating conditions	0 ... 50°C / 32 ... 122°F
Storage conditions	-10 ... 60°C / 14 ... 140°F
Power supply	9V block battery
Display	LC display
Dimensions	240 mm x 130 mm x 65 mm / 9.4 x 5.1 x 2.6
Weight	425 g / < 1 lb

More information

More product info

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