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Technical Infrared Thermometer PCE-895

Dual Laser Infrared Thermometer PCE-895
Cross laser thermometer for non-contact measurement of surface temperatures /
fast response time / adjustable emissivity / Max-Min function / USB / SD card

The Dual Laser Thermometer PCE-895 is used for fast surface temperature measurement. The two laser points of the dual laser thermometer PCE-895 mark the exact measuring point and thus offer excellent assistance with the temperature measurement. Due to the cross laser function, the two laser spots indicate exactly how large the actual IR spot is. The emissivity of the dual laser thermometer PCE-895 is adjustable in the range of 0.10 … 1.0. Thus, the dual laser thermometer PCE-895 is suitable for almost all surfaces.

 The temperature measuring range extends from -35 … 1600 °C / -31 … 2912 °F. In addition to the IR function, a type K thermocouple can also be connected to the dual laser thermometer. A USB interface and an SD memory card slot complete the functionality of this professional thermometer. The SD card enables data logging of several hours on machines and systems. Using the PC software, the stored temperature profiles can be read out and exported. This makes the Dual Laser Thermometer ideal for long-term temperature measurements.

- non-contact temperature measurement
- 60:1 optics
- temperature measurement up to 1600 °C / 2912 °F
- compact cross laser thermometer
- double laser shows the spot diameter
- adjustable emissivity
- adjustable emissivity
- alarm function

Typical applications of Dual Laser Infrared Thermometer PCE-895

- food inspection
- hygiene tests
- road construction
- switch cabinet monitoring
- heating and air conditioning technology
- production monitoring
- temperature measurement on motors

Technical specifications:

Infrared

Measuring range	-35 … +1600 °C / -31 … 2912 °F
Measuring accuracy (at 23 … 25 °C ambient temperature)	-35 … 0°C: ± 2°C + 0.05*TObj 0 … 1600 °C: ± 2 % v. Mw. or ± 2°C
Resolution	1 °C at 1000 …. 1600 °C

Thermoelement

Measuring range	Type K: -64 … 1400 °C / -83 … 2552 °F
Measuring accuracy (at 23 … 25 °C ambient temperature)	± 1 % v. Mw. or ± 1 °C
Resolution	0.1 °C at -64 … 999.9 °C

Emissivity	Adjustable 0.10 … 1.0
Spectral range	8 … 14 µm
Response time	1 s
Optical resolution / measurement spot ratio	60:1
Storage	Internal: 24 memory points External (micro-SD card): max. 8 GB supported
Interface	USB
Display	LCD illuminated
Power supply	2 x 1.5 V AA batteries
Operating time	Typical: 14 h Continuous: 10 h
Operating conditions	0 … +50 °C / 32 … 122 °F
Weight	ca. 400 g / 14.1 oz
Dimensions	203 x 176 x 89 mm / 7.9 x 6.9 x 3.5"

Delivery contens:

1 x Infrared Thermometer PCE-895
1 x USB Cable
1 x Micro SD Card 8 GB
1 x PC Software
2 x 1.5 V AA Batteries
1 x Thermo element Type K (0 … 250 °C / 32 … 482 °F)
1 x User manual