



Thermometer PCE-IR 50



Digital thermometer PCE-IR 50 for non-contact measurement of surface temperatures / for fixed installation / Delivery includes mounting plate / Measurements up to 500°C (932°F) / For monitoring of machines from a safe distance

With the digital thermometer PCE-IR 50, surface temperatures can be measured quickly and easily. The measuring range of the digital thermometer is 0 ... 500°C / 32 ... 932°F. The measured temperature is provided as a 4 ... 20-mA standard signal which means that the digital thermometer can be easily integrated into different monitoring systems, including those in different production processes or food storage as well as the monitoring of electronic systems.

The digital thermometer PCE-IR 50 comes with a mounting plate for fixed installation. The digital thermometer must simply be aligned with the heat source to be measured before starting the measurement. The 1.0 m cable of the digital thermometer PCE-IR 50 enables flexible use of the very robust device and even if the user opts for fixed installation, operation in areas which are hard to access will not be a problem at all as installation can be carried out quickly and easily. This type of digital thermometer is recommended when the areas to be measured are under high voltage.

- ▶ Measurements from 0 ... + 500 °C
- ▶ For wall mounting (wall bracket incl.)
- ▶ Output signal: 4 ... 20 mA
- ▶ Easy operation and assembly
- ▶ Short response time
- ▶ 1 m connection cable

*****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

Measuring range	0 ... +500 °C / 32 ... 932°F
Measurement accuracy	± 1 °C or 1% of the measured value, higher value applies
Repeatability	± 0.5 °C or 0.5% of the measured value, higher value applies
Optical resolution	15:1
Output signal	4 ... 20 mA
Spectral sensitivity	8 ... 14 µm
Emissivity	fixed at 0.95
Power supply	24 VDC
Load	900 Ohm
Protection class	IP65
Material	stainless steel
Operating temperature	0 ... +70 °C
Relative humidity	10 ... 95 %
Measurement time	T90: 240 ms
Accessories	mounting plate included in delivery
Cable length	1 m
Dimensions	Ø18 x 103 mm

More information

Manual



More product info



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