TEMPERATURE METER

PCE-IR 50



- **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**

With the digital thermometer PCE-IR 5, surface temperatures can measured quickly and easily. The measuring range of the digital thermometer is 0 ... 500°C / 32 ... 122°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 5 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 1.8 m / 4.9 ft cable of the digital thermometer PCE-IR 5 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.

Specification

Infrared temperature	
Measuring range	0 ... 500 °C
Resolution	0,1 °C
Accuracy	±1 °C or 1 % of the measured value, whichever is higher

General technical data	
Repeat accuracy	0.5 %of range.
Outputs	4 ... 20 mA
Cable length	1 m
Measurement spot	15:1
Housing	Stainless steel
Measurement time	240 mS
Emissivity	0,95
Spectral range	8 ... 14 µm
Protection class (device)	IP65
Power supply	24V
Operating conditions	0 ... 70 °C , 0 ... 95 % RH
Storage conditions	0 ... 70 °C , 0 ... 95 % RH
Dimensions (L x W x H)	103 x 18 x 18 mm
Weight	95 g

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