PYROMETER

PCE-MIR 10



- **Measuring range -50 ... 500 °C**
- **automatic switch-off**
- **immediate operating range**
- **Measuring ratio 12:1**
- **Max / Min function**
- **optionally with ISO calibration certificate**

The pyrometerhas a measuring range of -50 ... +500 °C and covers a wide temperature range. With an accuracy of ±2 % ±2 °C at 20 ... 500 °C, the pyrometer is a very precise measuring device. For better orientation of the measuring spot, a laser pointer is built into the pyrometer. This laser has an output power of <1 mW. The emission value of the pyrometer is fixed at 0.95.
The pyrometer is used, for example, for surface temperature testing of electric motors, combustion engines or heat sinks. Thanks to its compact design, the pyrometer is handy and can be easily stowed away.
To switch on the pyrometer, press the measuring button. The measurement is then immediately taken by the pyrometer. When the button is released, the last value remains on the pyrometer display until a new measurement is taken. Optionally, the pyrometer can be equipped with an ISO calibration certificate.

Specification

Infrared temperature	
Measuring range	-50 ... +20 °C
Resolution	0,1 °C
Accuracy	±3°C
Infrared temperature	
Measuring range	20 ... 500 °C
Resolution	0,1 °C
Accuracy	±(2% of reading +2°C)
Infrared temperature	
Measuring range	-58 ... +68 °F
Resolution	0,1 °F
Accuracy	±5.4 °F
Infrared temperature	
Measuring range	68 ... 932 °F
Resolution	0,1 °F
Accuracy	±(2% of reading +3.6°F)

General technical data	
Repeat accuracy	±1°C / ±1.8°F
Measuring rate	2 Hz
Measurement spot	12:1
Laser	Class 2 <1mW
Emissivity	0,95
Spectral range	8 ... 14 µm
Wavelength range	630 ... 670 mm
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	batteries
(Rechargeable) battery	1 x 9 V 9V block , Alkali-manganese
Capacity	640 mAh
Operating conditions	0 ... 50 °C , 0 ... 90 % RH
Storage conditions	-10 ... 60 °C , 0 ... 80 % RH
Dimensions (L x W x H)	175 x 75 x 35 mm
Weight	132 g