THERMOMETER

PCE-MIR 20



- **Measuring range -50 ... +760 °C**
- **Double laser for better orientation**
- **Limit value alarm MAX / MIN**
- **adjustable emission value**
- **backlit display**
- **optionally with ISO calibration certificate**

The thermometer has a measuring range of -50 ... +760 °C and thus covers a wide temperature range. With an accuracy of ±2 % ±2 °C at 20 ... 760 °C, the thermometer is a very precise measuring device. Two lasers are built into the thermometer for better orientation of the measuring spot. Both lasers have an output power of <1 mW. To determine different surfaces with the thermometer, the emission value can be set between 0.10 ... 1.00.

With the limit value alarm function on the thermometer, a minimum temperature and a maximum temperature can be set individually. If the set limit value is exceeded or undershot during a measurement with the thermometer. This is immediately signalled acoustically and visually by the thermometer.

To switch on the thermometer, the measuring button must be pressed. The measurement is then immediately taken by the thermometer. If the button is released, the last value remains on the thermometer display until a new measurement is taken. The thermometer can optionally 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 ... 760 °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 ... 1400 °F
Resolution	0,1 °F
Accuracy	±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 from/to	0.1 ... 1
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 1,5 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

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 464902 0
info@pce-instruments.co.uk