THERMOMETER

PCE-ILD 10



- **Measuring range -50 ... 500 °C / -58 ... 932 °F**
- **Fast measuring rate of 2 Hz**
- **White and blue lighting ring**
- **Spot ratio: 12:1**
- **Multipoint laser**
- **Optionally with ISO calibration certificate**

The thermometer has a measuring range of -50 ... +500 °C (-58 ... 932 °F) and an adjustable emission value between 0.10 ... 1.00. In addition to the current reading, the largest, smallest, average and differential reading can be displayed. This means that the infrared thermometer can be used for many measuring tasks to determine the surface temperature. The multi-point laser on the infrared thermometer is used to align the measuring spot. The measuring spot ratio of the infrared thermometer is 12:1.

Any alarm limit values ⍰⍰can be stored on the thermometer for checking temperatures. When exceeding or falling below an alarm limit value, the infrared thermometer automatically triggers an acoustic and visual alarm.

In addition to the normal temperature measurement, the thermometer has two LED rings, each with 5 LEDs. The blue LED ring on the infrared thermometer is used to find leaks in, for example, air conditioning systems that are provided with a contrast agent. The surroundings can be illuminated with the white LED ring on the infrared thermometer.

Specification

Infrared temperature	
Measuring range	-50 ... +500 °C
Resolution	0,1 °C
Accuracy	±3 °C at -50 ... 20 °C / ±2 % or ±2 °C at 20 ... 500 °C
Infrared temperature	
Measuring range	-58 ... +932 °F
Resolution	0,1 °F
Accuracy	±5.4°F at -58 ... 68°F / ±2% or ±3.6°F at 68 ... 932°F

General technical data	
Repeat accuracy	±1°C / 1.8°F
Measuring functions	MAX, MIN, Difference, Average value, HOLD
Units	°C, °F
Measuring rate	2 Hz
Measurement spot	12:1
Laser	Class 2 <1mW
Light source	5 x white LED, 5 x blue LED
Emissivity from/to	0.1 ... 1
Spectral range	8 ... 14 µm
Wavelength range	630 ... 670 Nm
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	2 x 1,5 V AA battery , Zinc-manganese dioxide
Capacity	2500 mAh
Operating conditions	0 ... 50 °C , 10 ... 90 % RH
Storage conditions	-10 ... 60 °C , 10 ... 90 % RH
Dimensions (L x W x H)	190 x 100 x 55 mm
Weight	280 g

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

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk