

Technical Infrared Thermometer PCE-IR 425

Thermometer with accurate optics, laser pointer and quick response time

The PCE -IR 425 Thermometer has a measurement range of -60°C to 1000°C . The Thermometer has an optical resolution of 50:1 that allows for an accurate, non -contact measurement of temperature of small surface areas. Using this Thermometer, temperature can be measured for heating and cooling systems, ambient or surface temperature limits influencing the measured value of pipes. The thermometer can be used in the automotive industry, such as for use in quickly and accurately testing during MOTs. It can also measure recently painted surfaces without leaving marks as a result of taking the measurement. The Thermometer can be used in other industrial fields for preventative maintenance, taking into account that it is ideal for measuring moving components or those under tension. One unique aspect of this device is that it has a response time of less than one second without having to touch the object being measured. This double laser thermometer can also be used within the food industry to prevent contamination of food products.

- Temperature range of -60°C to 1000°C
- Adjustable emissivity
- Reads hot and cold spots in less than a second
- Large display
- Improved optics
- Optical resolution of 50:1
- Measurement point for longer distances
- Double laser for accurate focusing
- Visible field of measurement
- Backlit display
- Light weight (380g)

Technical Specifications

Measurement range	-60 to 1000°C
Resolution	0.1°C (from 200°C : 1°C)
Accuracy	$\pm 2\%$ of reading; $\pm 2^{\circ}\text{C}$
Response time	<1 sec
Optical resolution	50 : 1
Emissivity (adjustable)	0.01 to 1.000

Laser	visible laser <1 mW class IIa
Alarm functions	optical and acoustic for low and high limits
Backlit LCD	yes, four digits
Operating conditions	0 to 50°C / 10 to 95% r.h.
Power	2 AAA batteries
Battery life	40 hours of continuous operation
Dimensions	215 x 145 x 45mm
Weight	380g

Delivery contents

1 x PCE-IR 425 Thermometer
 1 x carrying case
 2 x AAA batteries
 1 x user's manual