



PCE Americas Inc.
711 Commerce Way
Suite 8
Jupiter
FL-33458
USA
From outside US: +1
Tel: (561) 320-9162
Fax: (561) 320-9176
info@pce-americas.com

PCE Instruments UK Ltd.
Units 12/13
Southpoint Business Park
Ensign way
Hampshire / Southampton
United Kingdom, SO31 4RF
From outside UK: +44
Tel: (0) 2380 98703 0
Fax: (0) 2380 98703 9
info@industrial-needs.com

www.pce-instruments.com/english
www.pce-instruments.com

Technical Infrared Thermometer PCE -777N

Small and compact contactless HVAC Meter with red laser pointer / contactless, non-destructive measurement of surface temperatures / measuring spot ratio of 8: 1 / automatic shutdown

The contactless HVAC Meter PCE -777N measures the temperature of surfaces via infrared beam non-destructively and from a distance. This light contactless HVAC Meter is characterized by simple operation and the red sighting tool. So you can accurately measure the temperature of a particular area on a surface. The contactless HVAC Meter is for industry and craft, maintenance and servicing, e.g. in the field of heating, ventilation and air conditioning, automotive, and is useful in the control of electrical equipment and control systems.

The contactless HVAC Meter PCE -777N can also be used under difficult conditions and provides you with measurement results. The backlight of the contactless HVAC Meter is selectively turned on or off. The contactless HVAC Meter has a visible sighting tool for precise contactless pointing and quick temperature measurement from a safe distance of hot or moving objects or of difficult measuring points. The emission level is fixed for this contactless HVAC Meter at 0.95 and covers about 90% of all temperature measuring tasks.

- fast measurement result
- measured value indication optionally in °C or °F
- fixed emissivity
- optical resolution 8: 1
- automatic shutdown
- battery operation
- switchable sighting tool
- compact and robust design

Technical Data

Temperature measuring range	-30 ... +260 °C -22 ... +500 °F
Response time	< 1 s
Overload	LCD display "-----"
Polarity	automatically (no indication of positive polarity) Minus (-) sign for negative polarity
Emissivity (fixed)	0.95

Optical resolution	8:1
Laser point	A visible point laser beam power <1mW, Wavelength 630 ... 670 nm, Class II
Spectral range	6 ... 14 μm
Automatic shutdown	after 8 seconds of inactivity
Operating conditions	0 ... +50 °C, 10 % ... 90 % r.F.
Storage conditions	-20 °C ... +60 °C, <80 % r.F.
Power supply	9 V block battery
Dimensions	82 x 41.5 x 160 mm
Weight	180 g

Specifications HVAC Meter

Measuring range	-30 ... 0 °C (range 1)
	0 ... +260 °C (range 2)
Resolution	0.1 °C / 0.1 °F (both ranges)
Accuracy	± 4 °C / ± 4 °F (in range 1)
	$\pm 2\%$ of reading / ± 2 °C / ± 4 °F (range 2)

Delivery Contents

1 x Contactless HVAC Meter PCE-777N, 1 x Battery, 1 x Carry bag, 1 x Instruction manual