



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@pce-instruments.com

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

Technical Infrared Thermometer PCE-IR 54

**Digital thermometer / configurable temperature sensor / Modbus / 4 ... 20 mA / -20 ... 1000 °C
/ alarm relay / OLED touch screen**

The temperature sensor can be installed in environments with temperatures of up to 180 °C. This makes the temperature sensor perfectly suitable for industrial measurements. The professional infrared temperature sensor PCE-IR 54 has a 4 ... 20 mA output as well as a Modbus interface. The temperature sensor is equipped with an OLED display. The measured data can be saved to a Micro SD card.

The data can also be delivered via the 4 ... 20 mA interface. To enable simple machine alarms, the temperature sensor can be equipped with a relay. The display has a touch interface via which all settings can be made. The compact dimensions and the many functions make the temperature sensor PCE-IR 54 an all-rounder for tough industrial conditions.

- -20 ... 250 °C
- Data logger with Micro SD card
- Modbus interface
- OLED display
- Emissivity adjustable
- M16 connection
- Easy installation
- Short response times

Technical specifications:

	-20 ... 100 °C
Measurement range (selectable)	0 ... 250 °C 0 ... 1000 °C
Accuracy	±1% of measured value
Emissivity	0.2 ... 1.0 adjustable
Distance-to-target ratio	20:1
Spectral range	8 ... 14 µm
Power supply	24 V DC

Output	4 ... 20 mA
Impedance	900 ohms
Interface (selectable)	Modbus RTU
Storage interval	1/s ... 1/day
Micro SD card	max. 2 GB (not included)
Data format	CSV
Alarm relay (selectable)	Changeover relay 24V / 1 A DC
Dimensions display	96 x 64 x 36 mm
Dimensions temperature rsensor	Ø18 x 45 mm M16
Cable length	1 m
Weight	390 g
Protection class	IP65
Ambient temperature	0 ... 180 °C
Ambient humidity	Max. 95 % RH

Delivery contents:

1 x temperature sensor PCE-IR 54

1x user manual