



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](http://www.pce-instruments.com/english)  
[www.pce-instruments.com](http://www.pce-instruments.com)

## Technical Infrared Thermometer PCE-IR 56

Digital thermometer / configurable temperature sensor / Modbus / -20 ... 1000 °C / OLED touch screen / max. 6 sensors

The multi-channel temperature sensor PCE-IR 56 can measure surface temperatures in up to 6 locations at the same time. Thus, the temperature sensor is ideal for machine monitoring. The PCE-IR 56 comes with an OLED display. One single hub is sufficient to connect several sensors conveniently. The measurement range is -20 ... 1000 °C. The professional infrared temperature sensor PCE-IR 56 has a 4 ... 20 mA output as well as a Modbus interface. The temperature sensor is equipped with an OLED display.

The measurement data can be saved to a Micro SD card. The data are also delivered via the Modbus interface. This enables you to use the measured values for other machines and equipment. The display has a touch interface by means of which all settings can be made. The compact dimensions and the many different functions make the temperature sensor PCE-IR 56 an all-rounder for the tough industrial conditions.

- -20 ... 1000 °C
- Data logger with Micro SD card
- Modbus interface
- OLED display
- Emissivity adjustable
- M16 connection
- Easy installations
- Short response times

### Technical specifications:

Measurement range (selectable)	-20... 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
Impedance	900 Ohm
Interface (selectable)	Modbus RTU
Storage rate	1/s ... 1/Tag
Micro SD card	max. 2 GB (not included in delivery)

Data format	CSV
Dimensions display	96 x 64 x 36 mm
Dimensions temperature sensor	Ø18 x 45 mm M16
Cable length	1 m
Weight	280 g
Protection class	IP65
Ambient temperature	0 ... 120 °C
Ambient relative humidity	Max. 95 % RH

**Delivery contents:**

- 1 x temperature sensor PCE-IR 56 incl. selected sensors
- 1 x sensor hub (starting from 2 sensors)
- 1x user manual