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## Technical Infrared Thermometer PCE-IR 57

**Digital thermometer / configurable temperature sensor / minimum measuring spot /  
0 ... 500 °C / optional OLED touch screen / LED pilot light**

The infrared temperature sensor PCE-IR 57 stands out by its very small measuring spot. Depending on the model, the measuring spot is 1.6 mm or 3 mm. Through the LED pilot light, the measuring spot of the infrared temperature sensor is shown at the surface. The measurement range is 0 ... 500 °C.

- 0 ... 500 °C
- Data logger with Micro SD card
- Modbus interface
- OLED display
- Emissivity adjustable
- LED pilot light
- 1.6 mm or 3 mm measuring spot
- short response times

### Technical specifications:

Measurement range (selectable)	0... 500 °C
Accuracy	± 1% of measured value
Emissivity	0.2 ... 1.0 adjustable
Measuring spot (selectable)	1.6 mm at 35 mm 3 mm at 70 mm
Spectral range	8 ... 14 µm
Power supply	24 V DC
Impedance	900 ohms
Response time	10 ms

### Technical specifications of the display

Interface	Modbus RTU
Storage interval	1/s ... 1/day
Micro SD card	Max. 2 GB (not included)

Data format	CSV
Dimensions display	96 x 64 x 36 mm
Cable length	2 m
Weight	80 g
Protection class	IP65
Ambient temperature	0 ... 120 °C
Ambient humidity	Max. 95 % RH

**Delivery contents:**

1 x temperature sensor PCE-IR 57

1 x display (if selected)

1 x user manual