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Technical Infrared Thermometer PCE-IR 55

Digital thermometer / configurable temperature sensor / Modbus / 4 ... 20 mA / 250 ... 2000 °C / alarm relay / OLED touch screen

This temperature sensor has been specially designed for targets with high temperatures and short wavelengths. This means that the infrared temperature sensor is ideally suitable for metallic surfaces. The measurement range is 250 ... 2000 °C. The professional infrared temperature sensor PCE-IR 55 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 55 an all-rounder for tough industrial conditions.

- 250 ... 2000 °C
- Data logger with Micro SD card
- Modbus interface
- OLED display
- Emissivity adjustable
- M16 connection
- Easy installation
- Short response times

Technical specifications:

Measurement range (selectable)	250 ... 1000 °C
	450 ... 2500 °C
Accuracy	± 1% of measured value
Emissivity	0.2 ... 1.0 adjustable
Distance-to-target ratio	25:1
Spectral range	2 ... 2.6 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 sensor	Ø18 x 45 mm M16
Cable length	1 m
Weight	390 g
Protection class	IP65
Ambient temperature	0 ... 70 °C
Ambient humidity	Max. 95 % RH

Delivery contents:

1 x temperature sensor PCE-IR 55
1x user manual