Thermometer PCE-IRT 10

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Thermometerfor permanent installation / 4 ... 20-mA output / 0 ... 600°C (32 ... 1112°F) / A**djustable emissivity / Stainless steel housing / IP65**

The thermometer has been developed for permanent installation. This thermometer has a 4 ... 20-mA output, which is scaled over the measuring range from 0 ... 600°C / 32 ... 1112°F. The emissivity is freely adjustable from 0.1 ... 1,000 on the thermometer. With a response time of just 150 ms, the thermometer is ideal for fast processes. The thermometer is supplied with a 1 m connection cable. The thermometer is supplied with a supply voltage of 12 ... 24V DC. The analog output signal can also be tapped here. The thermometer has an illuminated display for setting the emission value and the automatic hold function. The measured value is also continuously shown on this display.The thermometer is made of stainless steel and protected according to IP65. The compact infrared sensor is mounted using a 90° angle. This enables the thermometer to be connected directly to machines in order to easily monitor critical processes.

- ▶ Measurements from 0 ... 600°C / 32 ... 1112°F
- ▶ Including mounting bracket
- ▶ Output signal: 4 ... 20-mA
- ▶ Easy operation and assembly
- ▶ 150 ms response time
- ▶ 1 m / 3.3 ft connection cable

Specifications

Measuring range	**0 ... 600°C / 32 ... 1112°F**
Measurement accuracy	± 1.5°C / 2.7°F or 1% of the measured value, whichever is greater applies
Repeatability	± 1°C / 1.8°F or 0.5% of the measured value, the higher value applies
Optical resolution	20: 1
Output signal	4 ... 20-mA
Spectral sensitivity	8 ... 14 µm
Emissivity	Adjustable 0.100 ... 1.000
Power supply	12 ... 24V DC max. 20-mA
Burden	500 ohms
Protection class	IP65
Material	Stainless steel
Operating temperature	0 ... 70°C / 32 ... 158°F
Relative humidity	10 ... 85%
Measurement time	150 ms
Cable length	**1 m / 3.3 ft**
Display	LCD display
Dimensions	Ø59.5 x 63.5 mm / 2.3 x 2.5 in
Weight	Approx. 200 g / < 1 lb

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