

## **Thermometer PCE-IRT 10**



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Thermometerfor permanent installation / 4 ... 20-mA output / 0 ... 600°C (32 ... 1112°F) / Adjustable 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  $\pm$  1.5°C / 2.7°F or 1% of the measured value,

whichever is greater applies

Repeatability  $\pm$  1°C / 1.8°F or 0.5% of the measured value,

the higher value applies

Optical resolution 20: 1

Output signal  $4 \dots 20$ -mA Spectral sensitivity  $8 \dots 14 \mu m$ 

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

## More information

More product info



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