THERMOMETER

PCE-IRT 10



- **Measurements from 0 ... 600°C / 32 ... 1112°F**
- **Including mounting bracket**
- **Output signal: 4 ... 20-mA**
- **Easy operation and assembly**
- **150 ms response time**
- **3 m / 9.8 ft connection cable**

32 ... 1112°F) / A
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.

Specification

Infrared temperature	
Measuring range	0 ... 600 °C
Resolution	0,1 °C
Accuracy	±1.5°C or 1% v.Mw., whichever is greater

General technical data	
Repeat accuracy	±1°C or 0.5% v.Mw., whichever is higher
Outputs	4 ... 20 mA
Cable length	1 m
Units	°C
Display type	LCD
Measurement spot	20:1
Housing	Stainless steel
Measurement time	150 mS
Emissivity from/to	0.1 ... 1
Spectral range	8 ... 14 µm
Protection class (device)	IP65
Power supply	12 ... 24 V DC max. 20 mA
Operating conditions	0 ... 70 °C , 10 ... 85 % RH
Storage conditions	0 ... 70 °C , 10 ... 85 % RH
Dimensions (L x W x H)	63,5 x 59,5 x 59,5 mm
Weight	200 g

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