



Intrinsically safe infrared thermometer

Fluke

568 EX PCEC

- Precise measurements with accuracy
- Easily measure hard-to-reach objects
- Measurements from Zone 1 into Zone 0
- Measurements of moving materials
- Easy emissivity adjustment
- Data logging up to 99 points
- 6 languages available

Fluke 568 EX, PCEC

Technical Data

General specifications

Function	Min/Max/Average/Difference value	
Measuring range		
Temperature	-40 ... 800 °C (-104 ... 1,472 °F)	

Hardware

Internal data memory	Up to 99 points with time and date	
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Indicators/operating means

Display		
Resolution		0.1 °C / 0.1 °F

Electrical specifications

Battery type	2x AAA, type approved	
Operating duration	4 h (continuous operation)	

Function and system design

Measuring principle	Infrared	
Distance to measuring spot size		50:1 (D:S)
Measuring spot marking	Single-point laser	
Infrared range		8 ... 14 µm
Emissivity adjustment	0.10 to 1.00 (step size 0.01)	

Measurement accuracy

Accuracy	> 0 °C ±1 °C or 1% whichever is greater	
Response time		< 500 ms

Ambient conditions

Ambient temperature	0 ... 50 °C (32 ... 122 °F)	
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Mechanical specifications

Mass	approx. 365 g	
Dimensions	175 mm x 166 mm x 55 mm	

International approvals

PCEC approval		
PCEC certificate		CE24.4187X
PCEC marking	Ex ia op is IIC T4 Gb	

General information

Release date: 2024-12-04 Date of issue: 2024-12-04 Filename: 70144614_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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 **PEPPERL+FUCHS**

Technical Data

Scope of delivery	Fluke 568 EX Batteries Leather grip Carrying case Thermocouple probe type K Documentation
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Accessories

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.

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