



Intrinsically safe infrared thermometer

Fluke

568 EX ATEX / IEx

- 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, ATEX / IEx



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
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)
Mechanical specifications		
Mass		approx. 365 g
Dimensions		175 mm x 166 mm x 55 mm
Data for application in connection with hazardous areas		
ATEX approval		
ATEX certificate		EPS 13 ATEX 1 525 X
ATEX marking		Ⓔ II 2G Ex ia op is IIC T4 Gb
International approvals		
INMETRO approval		
INMETRO certificate		TÜV 24.1259 X

Release date: 2025-07-14 Date of issue: 2025-07-14 Filename: 70143714_eng.pdf

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

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PEPPERL+FUCHS

Technical Data

INMETRO marking	Ex ia op is IIC T4 Gb 0 °C ... T _{amb} ... +50 °C
General information	
Scope of delivery	Fluke 568 EX Batteries Leather grip Carrying case Thermocouple probe type K Documentation

Accessories

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

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