



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
Measurement 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	IEx 13.0122X

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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.