



Intrinsically safe infrared thermometer

Fluke

568 EX ATEX / IECEx

- 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 / IECEx



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
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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

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

IECEx approval	
IECEx certificate	IECEx EPS 13.0006X
IECEx marking	Ex ia op is IIC T4 Gb

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Technical Data

UKCA approval	
UKCA certificate	CML 21UKEX21002X
UKCA marking	II 2 G Ex ia op is IIC T4 Gb
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.