



# Intrinsically safe infrared thermometer

## Fluke

### 568 EX NEC / CEC

- 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, NEC / CEC



## 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

NEC/CEC approval	
NEC/CEC certificate	SGSNA/24/CA/00003X
NEC/CEC marking	Class I, Division 1, Groups A,B,C,D T4 Class I, Zone 0, AEx ia op is IIC T4 Ga Ex ia op is IIC T4 Ga

### General information

Release date: 2024-12-04 Date of issue: 2024-12-04 Filename: 70144612\_eng.pdf

## Technical Data

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](http://www.pepperl-fuchs.com).