



# 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 |
|----------------------|------------------------------------|

### 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

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

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

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PEPPERL+FUCHS

## Technical Data

|                            |  |  |
|----------------------------|--|--|
| UKCA approval              |  |  |
| UKCA certificate           |  | CML 21UKEX21002X   |
| UKCA marking               |  | II 2 G<br>Ex ia op is IIC T4 Gb  |
| <b>General information</b> |  |  |
| Scope of delivery          |  | Fluke 568 EX<br>Batteries<br>Leather grip<br>Carrying case<br>Thermocouple probe type K<br>Documentation |

## Accessories

Accessories for this product can be found on the internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).