# Fluke 572-2 High Temperature Infrared Thermometer

High Temperature Infrared Thermometer measures temperatures up to 900°C !

Rating: Not Rated Yet
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ManufacturerFluke

Description

## Key features

- High temperature infrared thermometer that measures from -30°C to 900°C (-22°F to 1652°F)
- Offers an ultra-high 60:1 distance-to-spot ratio with dual laser sighting for fast, accurate targeting
- Features a user-selectable multi-language interface
- Displays the temperature plus MAX, MIN, DIF, AVG temperature
- Provides adjustable emissivity and a predefined emissivity table

## Specifications: 572-2 High Temperature Infrared Thermometer

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| Infrared Measurements | |
| Infrared temperature range | -30°C to 900°C (-22°F to 1652°F) |
| IR accuracy (calibration geometry with ambient temperature 23°C ± 2°C) | ? 0°C: ± 1°C or ± 1% of the reading, whichever is greater |
| | ? -10°C to < 0°C: ±2°C |
| | < -10°C: ±3°C |
| | ? 32°F: ± 2°F or ± 1% of the reading, whichever is greater |
| | ? 14°F to < 32°F: ±4°F |
| | < 14°F: ±6°F |
| IR repeatability | ±0.5% of reading or ±0.5°C (±1°F), whichever is greater |
| Display resolution | 0.1°C / 0.1°F |
| Distance: Spot | 60:1 (calculated at 90% energy) |
| Minimum spot size | 19 mm |
| Laser sighting | Offset dual laser, output < 1 mW |
| Spectral response | 8 ?m to 14 ?m |
| Response time (95%) | < 500 ms |
| Emissivity | Digitally adjustable from 0.10 to 1.00 by 0.01 or via built-in table of common materials |
| Contact Measurements | |
| K-type thermocouple input temperature range | -270°C to 1372°C (-454°F to 2501°F) |

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|---|---|
| K-type thermocouple input accuracy (with ambient temperature 23°C ± 2°C) | < -40°C: ±(1°C + 0.2° / 1°C) |
| | ? -40°C: ±1% or 1°C, whichever is greater |
| | < -40°F: ±(2°F + 0.2° / 1°F) |
| | ? -40°F: ±1% or 2°F, whichever is greater |
| K-type thermocouple | 0.1°C / 0.1°F |
| K-type thermocouple repeatability | ±0.5% of reading or ±0.5°C (±1°F), whichever is greater |
| Measurement Options | |
| Hi/Low alarms | Audible and two-color visual |
| Min/Max/Avg/Dif | Yes |
| Switchable celsius and fahrenheit | Yes |
| Backlight | Two levels, normal and extra bright for darker environments |
| Probe input | K-type thermocouple simultaneous display of probe and IR temperature |
| Trigger lock | Yes |
| Data storage | 99 points |
| Display | Dot matrix 98 x 96 pixels with function menus |
| Communication | USB 2.0 |
| K-Type Thermocouple Specifications | |
| Measurement range (bead probe) | -40°C to 260°C (-40°F to 500°F) |
| Accuracy | ±1.1°C (±2.0°F) from 0°C to 260°C (32°F to 500°F). Typically within 1.1°C (2.0°F) from -40°C to 0°C (-40°F to 32°F) |
| Cable length | 1 m (40 in) K-type thermocouple cable with standard miniature thermocouple connector and bead termination |
| General Specifications | |
| Safety and compliance | IEC 60825-1<br>FDA Laser Class II<br>IEC 61326-1<br>CE Complaint<br>CMC # 01120009 |
| Operating temperature | 0°C to 50°C (32°F to 122°F) |
| Storage temperature | -20°C to 60°C (-4°F to 140°F) |
| Relative humidity | 10% to 90% RH non-condensing up to 30°C (86°F) |
| Operating altitude | 2000 meters above mean sea level |
| Weight | 0.322 kg (0.7099 lb) |
| Power | 2 AA batteries |
| Battery life | 8 hours with laser and backlight on; 100 hours with laser and backlight off, at 100% duty cycle (thermometer continuously on) |