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## Fluke 572-2 High-Temperature Infrared Thermometer

The best choice when things are really hot

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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)	<p>≥ 0°C: ± 1°C or ± 1 % of the reading, whichever is greater</p> <p>≥ -10 °C to &lt; 0 °C: ± 2°C</p> <p>&lt; -10°C: ± 3 °C</p> <p>≥ 32°F: ± 2°F or ± 1% of the reading, whichever is greater</p> <p>≥ 14 °F to &lt; 32 °F: ± 4 °F</p> <p>&lt; 14 °F: ± 6 °F</p>
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 μm to 14 μm
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)
K-type thermocouple input accuracy (with ambient temperature 23 °C ± 2 °C)	<p>&lt; -40 °C: ± (1 °C + 0.2 °/1 °C)</p> <p>≥ -40 °C: ± 1 % or 1 °C, whichever is greater</p> <p>&lt; -40 °F: ± (2 °F + 0.2 °/1 °F)</p> <p>≥ -40 °F: ± 1 % or 2 °F, whichever is greater</p>
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 FDA Laser Class II IEC 61326-1 CE Complaint 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)