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

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)

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 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)