TECHNICAL DATA

572-2 High Temperature Infrared Thermometer

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

Product overview: 572-2 High Temperature Infrared Thermometer

Fluke-572-2 High Temperature Infrared Thermometer measures temperatures up to 900°C

The Fluke 572-2 High-Temperature Infrared Thermometer is the ideal tool for high-temperature industrial environments all around the world. Whether you work in power utility, metal refining and smelting, glass, cement or petrochemical environments, the 572-2 offers the rugged performance accuracy you need to get the job done, backed by the most trusted name in test tools. The simple, three-button on-screen menu interface saves time and makes even complex measurements easy. With just a few pushes of a button you can adjust emissivity, start data logging, or turn on and off alarms. The 60:1 distance-to-spot ratio with dual laser sighting helps pinpoint the target fast, making it easier to measure small objects from a long distance.

Other useful features:

- Audible and visible alarms for rapid detection of high and low temperatures outside the limits
- Stores up to 99 data sets for review and analysis
- Powered by two, standard AA batteries -30-
- Presents infrared and thermocouple temperatures on a bright backlit display
- Is compatible with standard mini-connector K-type thermocouples, including ones you already own and have installed
- Features last reading Hold (20 seconds)

Specifications: 572-2 High Temperature Infrared Thermometer

Infrared Measurements	
Infrared temperature range	-30u00b0C to 900u00b0C (-22u00b0F to 1652u00b0F)
IR accuracy (calibration geometry with ambient temperature 23u00b0C u00b1 2u00b0C)	u2265 0u00b0C: u00b1 1u00b0C or u00b1 1% of the reading, whichever is greater
	u2265 -10u00b0C to < 0u00b0C: u00b12u00b0C
	< -10u00b0C: u00b13u00b0C
	u2265 32u00b0F: u00b1 2u00b0F or u00b1 1% of the reading, whichever is greater
	u2265 14u00b0F to < 32u00b0F: u00b14u00b0F
	< 14u00b0F: u00b16u00b0F
IR repeatability	u00b10.5% of reading or u00b10.5u00b0C (u00b11u00b0F), whichever is greater
Display resolution	0.1u00b0C / 0.1u00b0F
Distance: Spot	60:1 (calculated at 90% energy)
Minimum spot size	19 mm

Laser sighting	Offset dual laser, output < 1 mW
Spectral response	8 u03bcm to 14 u03bcm
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	-270u00b0C to 1372u00b0C (-454u00b0F to 2501u00b0F)
K-type thermocouple input accuracy (with ambient temperature 23u00b0C u00b1 2u00b0C)	< -40u00b0C: u00b1(1u00b0C + 0.2u00b0 / 1u00b0C)
	u2265 -40u00b0C: u00b11% or 1u00b0C, whichever is greater
	< -40u00b0F: u00b1(2u00b0F + 0.2u00b0 / 1u00b0F)
	u2265 -40u00b0F: u00b11% or 2u00b0F, whichever is greater
K-type thermocouple	0.1u00b0C / 0.1u00b0F
K-type thermocouple repeatability	u00b10.5% of reading or u00b10.5u00b0C (u00b11u00b0F), 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)	-40u00b0C to 260u00b0C (-40u00b0F to 500u00b0F)
Accuracy	u00b11.1u00b0C (u00b12.0u00b0F) from 0u00b0C to 260u00b0C (32u00b0F to 500u00b0F). Typically within 1.1u00b0C (2.0u00b0F) from -40u00b0C to 0u00b0C (-40u00b0F to 32u00b0F)
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	0u00b0C to 50u00b0C (32u00b0F to 122u00b0F)
Storage temperature	-20u00b0C to 60u00b0C (-4u00b0F to 140u00b0F)

Relative humidity	10% to 90% RH non-condensing up to 30u00b0C (86u00b0F)
Operating altitude	2000 meters above mean sea level
Weight	0.322 kg (0.7099 lb)
Power	2 AA baeries
Baery life	8 hours with laser and backlight on; 100 hours with laser and backlight off, at 100% duty cycle (thermometer continuously on)

Ordering information

Fluke 572-2
Fluke 572-2 High-Temperature Infrared Thermometer

Includes:

- K-type thermocouple bead probe
- Durable hard case
- USB 2.0 computer interface cable

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