Fluke 568 Contact & Infrared Temp Gun

Two-in-one infrared and contact thermometer handles a wide temperature range.

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ManufacturerFluke

Description

Product overview: 568 Contact & Infrared Temp Gun

Fluke 568 two-in-one infrared and contact thermometer handles a wide temperature range

The Fluke 568 Infrared Thermometer is a combination contact and non-contact thermometer in one. It offers a wider temperature range than most other infrared thermometers while offering users more features controlled through an intuitive graphical display and menu. The simple, three-button on-screen menu interface (in 7 languages) is quick to use and makes even complex measurements easy. It takes just a few pushes of a button to adjust emissivity, record data, or turn on and off alarms. The 50:1 distance-to-spot ratio allows you to measure smaller objects from further away. And you can count on the rugged, ergonomic design to stand up to tough industrial, electrical, HVAC, and mechanical environments to help you work more efficiently in more applications.

Other useful features:

- Allows easy access to advanced features with soft-key buttons and graphical display
- Captures up to 99 points of data for quick downloading to a PC through the USB connection
- Includes FlukeView® Forms software for easy trending and data analysis
- Can be powered from your laptop via the USB to extend battery life
- Quickly identifies problems with MIN, MAX, AVG, and DIF functions
- Allows you to confidently measure a wide variety of surfaces with adjustable emissivity and a built-in materials table
- Easily adapts to lighting conditions with a two-level backlight
- Instantly alerts to measurements outside of set limits with audible and visual alarms
- Provides 1% measurement accuracy
- Comes with thermocouple K bead probe, durable hard case, and two-year warranty

Key features

- Contact and non-contact thermometer in one
- Measures temperatures from -40°C to 800°C (-40°F to 1472°F) accurate to ±1.0°C or ±1.0% of reading (whichever is greater)
- Features rugged, ergonomic design that stands up to tough industrial, electrical, and mechanical environments.
- Offers a distance-to-spot ratio of 50:1
- Works with most K-type thermocouples

Specifications: 568 Contact & Infrared Temp Gun

Product Specifications		
Infrared temperature range	-40°C to 800°C (-40°F to 1472°F)	
Infrared accuracy	< 0°C (32°F): ±(1.0°C (±2.0°F) + 0.1°/1°C or°F);	
	> 0°C (32°F): ±1% or ±1.0°C (±2.0°F), whichever is greater	
Display resolution	0.1°C / 0.1°F	
Infrared spectral response	8 µm to 14 µm	
Infrared response time	< 500 msec	
Thermocouple Type-K input temperature range	-270°C to 1372°C (-454°F to 2501°F)	
Thermocouple Type-K input accuracy	**-270°C to -40°C**	±(1°C + 0.2°/1°C) (-454°F to -40°F: ±(2°F + 0.2°/1°F))
	-40°C to 1372°C	±1% or 1°C (-40°F to 2501°F: ±1% or 2°F), whichever is greater
D:S (distance to measurement spot size)	50:1	
Laser sighting	Single-point laser < 1 mw output Class 2 (II) operation, 630 nm to 670 nm	
Minimum spot size	19 mm (0.75 in)	
Emissivity adjustment	By built-in table of common materials or digitally adjustable from 0.10 to 1.00 by 0.01	
Data storage with date/time stamp	99 points	
PC interface and cable	USB 2.0 with FlukeView® Forms software	
Hi/Low alarms	Audible and two-color visual	
Min/Max/Avg/Dif	Yes	
Display	Dot matrix 98 x 96 pixels with function menus	
Backlight	Two levels, normal and extra bright for darker environments	
Trigger lock	Yes	
Switchable Celsius and Fahrenheit	Yes	
Power	2 AA/LR6 Batteries and USB when used with a PC	
Battery life	**If used continuously**	Laser and backlight on,12 hours; laser and backlight off, 100 hours
Operating temperature	0°C to 50°C (32°F to 122°F)	
Storage temperature	-20°C to 60°C (-40°F to 140°F)	
Bead thermocouple Type-K range	-40°C to 260°C (-40°F to 500°F)	
Bead thermocouple Type-K 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)	