Fluke 566

Fluke 568

The Fluke 566 and included accessories

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The two-in-one infrared and contact thermo-meter with an innovative graphical display

With a straight-forward, menu-driven user interface and graphical display, the Fluke 566 and 568 multipurpose thermometers make even complex temperature measurements easy. Quickly navigate and adjust emissivity, start data logging, or turn on and off alarms, with just a few pushes of a button. For added convenience, both rugged handheld thermometers combine contact and non-contact temperature measurement capability, providing a total temperature measurement solution for any service and maintenance program.

- Easily access advanced features with the soft-key buttons and graphical display
- Measure smaller targets from farther away using the IR thermometer
- Adjustable emissivity and built-in table of common materials for higher IR accuracy
- Quickly identify problems with the MIN, MAX, AVG, and DIF functions
- 2-color flashing alarm alerts you visually when measurements exceed limits
- Includes Type K thermocouple bead probe
- Compatible with all standard mini-connector K-type thermocouples
- Data logging with a date/time stamp
- Soft rubber boot for increased ruggedness
- User interface available in 6 languages

Choose your language
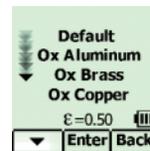
Select the measurement surface

See complete measurement details in seconds

Product specifications
(Check the Fluke web for detailed specifications)

	566	568
Infrared temperature range	–40 °C to 650 °C	–40 °C to 800 °C
Infrared accuracy	< 0 °C : ± (1.0 °C + 0.1°/1 °C); > 0 °C : ± 1 % or ± 1.0 °C, whichever is greater	
Display resolution	0.1 °C	
Infrared spectral response	8 μm to 14 μm	
Infrared response time	< 500 msec	
Input temperature range	–270 °C to 1372 °C	
Input accuracy	–270 °C to –40 °C: ± (1 °C + 0.2 °/1 °C) –40 °C to 1372 °C: ± 1 % or 1 °C, whichever is greater	
D:S (Distance to measurement spot size)	30:1	50:1
Laser sighting	Single-point laser < 1 mw output Class 2 (II) operation, 630 nm to 670 nm	
Minimum spot size	19 mm	
Emissivity adjustment	By built-in table of common materials or digitally adjustable from 0.10 to 1.00 by 0.01	
Data logging with Date/Time stamp	20 points	99 points
PC interface and cable	None	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 between Celsius and Fahrenheit	Yes	

Power: 2 AA/LR6 Batteries (566); 2 AA/LR6 Batteries and USB for use with a PC (568)
Battery life: Used continuously; laser and backlight on: 12 hours; laser and backlight off: 100 hours

Weight: 0.965 kg (566); 1.026 kg (568)
Size (HxLxW): 25.4 cm x 19.1 cm x 6.9 cm
Operating temperature: 0 °C to 50 °C
Storage temperature: –20 °C to 60 °C
Two years warranty

Included accessories
FlukeView® Forms software (568 only), USB cable (568 only), K-type thermocouple bead probe, 2 AA batteries, hard carrying case, quick start guide, and users manual.

Ordering information
Fluke 566   Infrared thermometer
Fluke 568   Infrared thermometer

Distributed by:

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test and measurement equipment

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Recommended Accessories

H6
Infrared Thermometer Holster

80PK-8
Pipe Clamp Temperature Probe

80PK-9
General Purpose Probe

80PK-11
Velcor Temperature Probe

80PK-25
SureGrip Piercing Probe

80PK-26
SureGrip General Purpose Probe