

Fluke 566 and 568 Thermometers

Technical Data

Two-in-one infrared and contact thermometers with an innovative dot matrix display.

Just when you thought advanced IR temperature measurement should be easier! With a straight-forward user interface and soft-key menus, the Fluke 566 and 568 make even complex measurements easy. Quickly navigate and adjust emissivity, start data logging, or turn on and off alarms, with just a few pushes of a button.

With a rugged, easy-to-use, ergonomic design, the Fluke 566 and 568 can stand up to tough industrial, electrical, and mechanical environments.

- Measure -40 °C to 800 °C /-40 °F to 1472 °F (568) or -40 °C to 650 °C/-40 °F to 1202 °F (566)
- Easily access advanced features with the soft-key buttons and graphical display
- Measure smaller objects from further away, with a distance-to-spot ratio of 50:1 (568) or 30:1 (566)
- Compatibility with all standard miniconnector K-type thermocouples allows you to preserve your thermocouple investments
- Confidently measure a wide variety of surfaces with the adjustable emissivity feature, including a built-in material table
- Capture up to 99 points (568) or 20 point (566) of data, for downloading and recalling later
- Easily trend and analyze data with included FlukeView® Forms software (568)
- See your data right away without leaving the site, using the USB (568) and your laptop for "Hands-free" datalogging
- Confidently troubleshoot equipment with 1 % measurement accuracy
- Versatile interface with six languages from which to choose
- Two-year warranty

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nfrared temperature range-40 °C to 650 °C (+40 °F to 1202 °F)-40 °C to 800 °C (+40 °F to 1472 °F)nfrared accuracy $< 0 °C [32 °F]: \pm 10 °C (\pm 20 °F] + 0.1° 1 °C c °F];$ $< 0 °C [32 °F]: \pm 10 °C (\pm 20 °F] + 0.1° 1 °C c °F];$ hisplay resolution $0.1 °C / 0.1 °F$ nfrared spectral response $8 \ \mu m \ 14 \ \mu m$ nfrared spectral response time $< 500 \ msc$ hermocouple Type-K put temperature range $-270 °C$ to 1372 °C (+454 °F to 2501 °F)hermocouple Type-K put temperature range $-270 °C$ to -40 °C: $\pm 11 °C (-2.2 °I °C) (+454 °F to -40 °F; \pm 2 °F + 0.2 °I (+7)hermocouple Type-Kput accuracy-270 °C to -40 °C: \pm 11 °C (-2.2 °I °C) (+454 °F to -40 °F; \pm 2 °F + 0.2 °I (+7)ser sightingSingle-point laser <1 mw output Class 2 (II) operation, 630 nm to 670 nmfinimum spot size19 mm (.75 in)imissivity adjustmentBy built-in table of common materials or digitally adjustable from 0.10 to 1.00 by 0.01ata storage with Date/Time stamp20 points20 points99 pointsC Interface and cableNoneUSB 2.0 with FlukeView & Forms softwareih/low alarmsAudible and two-color visualflow alarmsin/MaX/Avg/DifVesvever2 AA/LR6 Batteries2 AA/LR6 Batteries2 A/LR6 Batteries and USB when used with a PClatter pitferinterperature0 °C to 50 °C (32 °F to 122 °F)torage temperature0 °C to 50 °C (40 °F to 140 °F)torage temperature-20 °C to 60 °C (-40 °F to 140 °F)torage temperature-20 °C to 60 °C (-40 °F to 60 °C), to 50 °C)$	AN WWW AND	566	568	
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Ordering information

Fluke-566 Infrared thermometer Fluke-568 Infrared thermometer

Includes: Infrared thermometer with contact thermometer capabilities, FlukeView® Forms software (568 only), USB cable (568 only), K-type thermocouple bead probe, hard carrying case, quick start guide, and users manual.



Fluke. Keeping your world up and running.®

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