

# Fluke 560 Series Infrared Thermometers



CE

## Fluke 566 and 568 IR and Contact Thermometers

With a straight-forward user interface and soft-key menus, the Fluke 566 and 568 make even complex measurements easy. With just a few pushes of a button you can easily adjust emissivity, start data logging, or turn on and off alarms. With a rugged, easy-to-use design, the Fluke 566 and 568 can stand up to tough industrial, electrical, and mechanical environments.

- Measure up to 800 °C (1470 °F)
- Easily access advanced features with the soft-key buttons and graphical display
- Measure smaller objects from further away
- Compatibility with most type K thermocouples
- Confidently measure more surfaces, with adjustable emissivity and built-in materials table
- Log and download measurements for reporting (568)
- Two levels of backlight
- Audible and visual alarms alert you to measurements outside of set limits
- Min/Max/Avg/Dif functions
- Includes KTC bead probe
- 1 % measurement accuracy
- Versatile interface with six languages

## Specialty models

### Fluke 561 Infrared and Contact Thermometer

The Fluke 561 combines the temperature measurement functions that professionals need for most HVAC and industrial jobs, all in one tool.

- Pipe probe for superheat and sub-cooling and other contact and ambient measurements
- Min/Max/Dif functions help you quickly identify problems
- Scan large areas or small objects quickly and efficiently



### Fluke 61 Infrared Thermometers

- Easy to use one button operation
- Easy targeting with bright laser
- Shock-absorbing molding increases ruggedness
- Two-year conditional warranty
- Temperature measurement range up to 275 °C (525 °F)
- 8:1 optics
- Accurate to within  $\pm 2$  % of reading or 2 °C, whichever is greater
- Recommended optional carrying case, C25



## Recommended accessories



**80PK-11**  
Pipe Clamp Probe  
See page 60



**80PK-27**  
Industrial Surface Temperature Probe  
See page 60



**80PK-8**  
Pipe Clamp Probe  
See page 61



**80PK-18**  
Pipe Clamp Probe Kit  
See page 61



**80PK-22**  
SureGrip™ Immersion Probe  
See page 60



**C1600**  
Gear Tool Box  
See page 56

Check price and availability at  
[www.fluke.com/wtb](http://www.fluke.com/wtb)

## Specifications

Models	Fluke 561	Fluke 566	Fluke 568
Infrared temperature range	-40 °C to 535 °C (-40 °F to 1022 °F)	-40 °C to 650 °C (-40 °F to 1200 °F)	-40 °C to 800 °C (-40 °F to 1470 °F)
Accuracy	greater of $\pm 1$ % or $\pm 1$ °C (2 °F)		
Distance to Spot (D:S)	12:1	30:1	50:1
Sighting	Laser point		
Typical distance to target	Up to 2.5 m (7 ft)	Up to 4.5 m (15 ft)	Up to 7.5 m (25 ft)
Probe type	Thermocouple K		
Contact temperature range	-40 °C to 550 °C (-40 °F to 1022 °F)	-270 °C to 1372 °C (-454 °F to 2501 °F)	
Number of on-board memory locations	—	20	99
PC download and software	—	—	Yes, with FlukeView® Forms
Soft-key feature menu navigator	—	Yes	
Min/Max/Avg/Dif	Min/Max/Dif	Min/Max/Avg/Dif	
English, French, Chinese, Spanish, Portuguese, German user interface	—	Yes	
Material type adjustment (emissivity)	Hi/Med/Lo	Material table or 0.1 to 1.00 by 0.01	
Two levels of backlight	—	Yes	
High and low alarms	—	High and low alarms	
Hands-free logging	—	—	Yes
Battery	2 AA		
Included case	Hard case (except 561/R and 561/P)	Hard case	
Warranty	Two-year		

## Ordering information

Included accessories	Models
USB cable, FlukeView® Forms software, thermocouple type K bead probe, carrying case, two AA batteries, users manual, quickstart guide.	FLUKE-568 Infrared Thermometer
Thermocouple type K bead probe, carrying case, two AA batteries, users manual and quickstart guide.	FLUKE-566 Infrared Thermometer
Thermocouple type K pipe probe, carrying case, two AA batteries, users manual.	FLUKE-561 Infrared Thermometer
9 V battery, instruction sheet.	FLUKE-61 Infrared Thermometer