

# 60 Series Infrared Thermometers



## Point, press and read temperature

The Fluke 60 Series non-contact thermometers are the ideal professional diagnostic tools for quick and accurate temperature measurements. These handheld tools are ideal for measuring surface temperatures of rotating, hard-to-reach, electricity live or dangerously hot targets like electrical motors and – panels, and heating and ventilation systems. The laser sighting system guides measurements to the right target and in less than a second, the large temperature display provides a readout of the surface temperature.

### The 60 Series IR thermometers feature:

- Laser guided sighting system for easy targeting with 1% accuracy
- Up to 12 points datalogging with Min/Max/Average functions
- Up to 50:1 optical resolution
- Choice between models with fixed or adjustable emissivity
- Backlit display for easy reading in the dark
- Temperatures up to 760°C

## Features

	61	63	66	68
Form factor	Flat grip	Pistol grip	Pistol grip	Pistol grip
Temperature range	-18 to 275°C	-32 to 535°C	-32 to 600°C	-32 to 760°C
Optical resolution	8:1	12:1	30:1	50:1
Laser beam for accurate targeting	●	●	●	●
Backlit LCD display	●	●	●	●
Use selectable °C or °F	●	●	●	●
Min/max/avg/dif readings		Max	●	●
Datalogging			●	●
Hi/Lo Alarm			●	●
Adjustable emissivity			●	●

## Specifications

	61	63	66	68
Range	- 18 to 275°C	- 32 to 535 °C	- 32 to 600 °C	- 32 to 760 °C
Response time	< 500ms	≤ 0.5 second	≤ 0.5 second	≤ 0.5 second
Resolution	0.2 °C	0.2 °C	0.1 °C	0.1 °C
Repeatability (% of reading)	± 2% or ± 2 °C*	± 0.5% or ± 1 °C*	± 0.5% or ± 1 °C*	± 0.5% or ± 1 °C*
Accuracy (assumes ambient operating temperature of 23°C)	For targets at: -18 to -1°C: ± 3°C -1 to 275°C: ± 2% of reading or ± 2°C	For targets at: -32 to -26°C: ± 3°C -26 to -18°C: ± 2.5°C -18 to 23°C: ± 2°C 23°C -510°C: ± 1% of reading or ± 1°C For targets above 510°C: ± 1.5% of reading	For targets at: -32 to -26°C: ± 3°C -26 to -18°C: ± 2.5°C -18 to 23°C: ± 2°C For targets above 23 °C: ± 1% of reading or ± 1°C	For targets at: -32 to -26°C: ± 3°C -26 to -18°C: ± 2.5°C -18 to 23°C: ± 2°C For targets above 23 °C: ± 1% of reading or ± 1°C
Typical distance to target	Up to 1m	Up to 2 m	5 m	8 m
Emissivity	Fixed at 0.95	Fixed at 0.95	Digitally adjustable from 0.1 to 1.0 by 0.01	Digitally adjustable from 0.1 to 1.0 by 0.01

\* whichever is greater

### Battery Life:

Fluke 66 and 68: 20 hours with laser and backlight on 50%  
 Fluke 63: 10 hours with laser and backlight on  
 Fluke 62: 12 hours with laser and backlight on  
 Fluke 61: 12 hours with laser and backlight on

### Weight:

Fluke 63, 66 and 68: 0.320 kg  
 Fluke 62: 0.200 kg  
 Fluke 61: 0.227 kg

### Size (HxWxD):

Fluke 63, 66 and 68: 200 mm x 160 mm x 55 mm  
 Fluke 62: 152 mm x 101 mm x 38 mm  
 Fluke 61: 184 mm x 45 mm x 38 mm

### Fluke 62: 2 years warranty

Other models: one year warranty

The Fluke FoodPro™ thermometer series provide advanced temperature measurement solutions for the foodservice industry. Check the Fluke web for more information.

## Included Accessories

Fluke 61: 9V Battery

Fluke 63, 66 and 68: Hard carrying case, 9V batteries

## Ordering information

Fluke 61 Infrared Thermometer

Fluke 63 Infrared Thermometer  
 Fluke 66 Infrared Thermometer  
 Fluke 68 Infrared Thermometer

## Recommended Accessories



C23 See page 106



80PR-60 See page 105



H6 See page 107



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