

61/65 Infrared Thermometers

Point, press and read temperature



The Fluke 61 and 65 Infrared Thermometers provide quick non-contact temperature measurement in a compact case surrounded with a protective holster. Just press the green button and it comes alive. Targeting objects is easy with the bright laser beam. Even in the dark, the display is simple to read with the quality backlit screen. With the Fluke 65 you can scroll through the dual display to review the Min/Max values, after the measurement is done. You even can save a temperature into memory for later reference! Fluke Infrared Thermometers are the ideal tool for measuring surface temperatures of rotating, hard-to-reach, electrically live, or dangerously hot targets. For preventive maintenance tasks, they will cut measurement time to almost zero with the ability to take a temperature reading in less than one second.

- Shock-absorbing holster increases ruggedness
- Bright laser beam provides easy targeting
- Large display clearly supplies data at a glance
- Quality backlight illuminates the screen in the dark
- Store and recall any single temperature
- Automatic sleep mode after 15 seconds extends battery life
- Alkaline batteries provide over 4000 typical measurements
- Min/Max records high and low measurement values (Fluke 65 only)

Features

	61	65
User selectable °C or °F	●	●
Laser targeting	●	●
Automatic backlit display	●	●
Read hold	●	●
Min/Max/Average record		●
Temperature memory		●

Specifications

	61	65
Range	-18 to 275°C (0 to 527 °F)	-40 to 500°C (-40 to 932 °F)
Response time	Less than 1 second	Less than 1 second
Resolution	0.2°C	0.1° up to 200°, 1° over 200°
Repeatability	± 2° of reading or ± 2%, whichever is greater	±1° of reading or ±1%, whichever is greater
Accuracy (Assumes ambient operating temperature of 23°C)	For targets at: -18 to -1°C (0 to 30 °F): ± 3°C (± 5°F) -1 to 275°C (30 to 527°F): ± 2% of reading or ± 2°C (± 3.5 °F), whichever is greater	For targets at: -40 to 0°C (-40 to 32°F): ± 5°C (±9 °F) 0 to 100°C (32 to 212°F): ± 2°C (±3.5°F) 100 to 500°C (212 to 932°F): ± 2% of reading
Optical resolution	8:1 Distance to spot size ratio	8:1 Distance to spot size ratio
Emissivity	Fixed at 0.95	Fixed at 0.95
Minimum spot size	Minimum 200 mm (spot 25 mm)	Minimum 200 mm (spot 25 mm)

Accessories and Ordering Information

Included Accessories

Fluke 61: 9V Battery
Fluke 65: C50 soft carrying case and 2 AA batteries

Ordering Information

Fluke 61 Infrared Thermometer
Fluke 65 Infrared Thermometer

Battery life: Fluke 65: 15 hours with laser and backlight activated
Fluke 61 : 12 hours with laser and backlight activated

Size (HxWxD): Fluke 65: 185 mm x 64 mm x 38 mm
Fluke 61 : 184 mm x 45 mm x 38 mm

Weight: Fluke 65: 0.284 kg
Fluke 61 : 0.227 kg

One Year Warranty