

60 Series Infrared Thermometers

FLUKE®



Fluke 68

Fluke 66

Fluke 63

Fluke 62

Fluke 61

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

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	62	63	66	68
Form factor	Flat grip	Pistol grip	Pistol grip	Pistol grip	Pistol grip
Temperature range	-18 to 275°C	-30 to 500 °C	-32 to 535°C	-32 to 600°C	-32 to 760°C
Optical resolution	8:1	10:1	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	MAX only	●	●
Datalogging				●	●
Hi/Lo Alarm				●	●
Adjustable emissivity				●	●

Specifications

	61	62	63	66	68
Range	-18 to 275°C	-30 to 500 °C	-32 to 535°C	-32 to 600°C	-32 to 760°C
Response time	<500ms	<500ms (95 % of reading)	≤ 0.5 second	≤ 0.5 second	≤ 0.5 second
Resolution	0.2°C	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*	± 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: 10 °C to 30 °C: ± 1 °C ± 1.5% of reading or ± 1.5°C whichever is greater over the balance of the range	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 1.5 m	Up to 2 m	5 m	8 m
Emissivity	Fixed at 0.95	Pre-set to 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

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

Weight:

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

Fluke 62: 2 years warranty

Other models: one year warranty

Included Accessories

Fluke 61: 9V Battery
Fluke 62: 9V Battery, storage holster
Fluke 63, 66 and 68: Hard carrying case, 9V batteries

Ordering information

Fluke 61 Infrared Thermometer
Fluke 62 Mini Infrared Thermometer
Fluke 63 Infrared Thermometer
Fluke 66 Infrared Thermometer
Fluke 68 Infrared Thermometer

Recommended Accessories



C23



80PR-60



H6