60 Series Infrared Thermometers

FLUKE®

Fluke 68

Fluke 66

Fluke 63

Fluke 62

Fluke 61

Fluke 62/322 kit

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	●	●
Datalogging				●	●
Hi/Lo Alarm				●	●
Adjustable emissivity				●	●

Specifications

	61	62	63	66	68
Range	- 18 to 275°C	- 30 to 275 °C	- 32 to 535 °C	- 32 to 600 °C	- 32 to 760 °C
Responce 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

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

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
Fluke 62/322/1AC	
Fluke T5-600/62/1AC	

10887-eng Rev. 05

Recommended Accessories

C23

80PR-60

H6