

The Fluke 63 Infrared Thermometer

Non-contact temperature measurement

Technical Data

The professional's diagnostic tool

The Fluke 63 non-contact thermometer is the ideal professional diagnostic tool for quick and accurate temperature measurements. This handheld portable tool enables professionals to research heating and ventilation problems, monitor the status of electrical motors and electrical panels and diagnose car malfunctions with ease.

Features include:

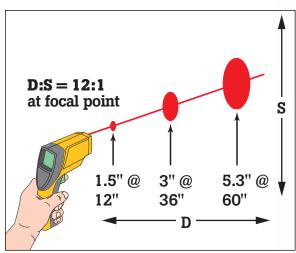
- Expanded measurement range up to 535 °C (999 °F)
- High-resolution optics
- High accuracy: 1 % and repeatability: 0.5 %
- MAX temperature display
- · Laser targeting
- · Backlit display

The Fluke 63 thermometer makes troubleshooting quick and easy. The single dot laser sighting system guides measurements to the right target and in less than a second, the large temperature display provides current and MAX surface temperatures. The locking trigger and tripod mount capability allow for continuous temperature monitoring.

Optical resolution

The single dot laser sighting system guides measurements to the right target and indicates the approximate center of the measurement area.

D:S (distance to spot using 90 % encircled energy at focal point.)



Use the Fluke 63 within six feet of the intended target. At greater distances, the measured area will be larger (approximately the distance divided by 12). The Fluke 63 offset single-point laser indicates the approximate center of the measurement area.





Specifications

Temperature range		
(Assumés ambient operature of 23 °C (73 °F): ±2.5 °C (±4 °F) −18 to 23 °C (73 °F): ±2 °C (±3 °F) 23 to 510 °C (73 to 950 °F): ±1 % of reading or ±1 °C (±2 °F), whichever is greater Above 510 °C (950 °F): ±1.5 % of reading or ±1 °C (±2 °F), whichever is greater Above 510 °C (950 °F): ±1.5 % of reading or ±1 °C (±2 °F), whichever is greater Response time ≤0.5 second (95 % of reading) Spectral response 8 to 14 µm Emissivity Pre-set at 0.95 Ambient operating temp 0 to 50 °C (32 to 120 °F) Relative humidity 10 to 90 % Storage temperature −20 to 60 °C (−13 to 158 °F) without battery Dimensions 200 x 160 x 55 mm (8 x 6 x 2 in.) Weight 320 g (11 oz.) Power 9 V alkaline or NiCd battery Batter life (alkaline) 10 hours with laser and backlight on 40 hours with laser and backlight off Typical distance to target Up to 2 m (6 ft.) Distance to Spot ratio 12:1 Max temperature display • Display hold (7 seconds) • LCD backlit • Temperature display °C or °F selectable 0.2 °C (0.5 °F) Hard carrying case • Tripod mounting •	Temperature range	-32 to 535 °C (-25 to 999 °F)
Response time ≤ 0.5 second (95 % of reading) Spectral response 8 to 14 μm Emissivity Pre-set at 0.95 Ambient operating temp 0 to 50 °C (32 to 120 °F) Relative humidity 10 to 90 % Storage temperature -20 to 60 °C (-13 to 158 °F) without battery Dimensions 200 x 160 x 55 mm (8 x 6 x 2 in.) Weight 320 g (11 oz.) Power 9 V alkaline or NiCd battery Batter life (alkaline) 10 hours with laser and backlight on 40 hours with laser and backlight off Typical distance to target Up to 2 m (6 ft.) Distance to Spot ratio 12:1 Max temperature display • Display hold (7 seconds) • LCD backlit • Temperature display °C or °F selectable Display resolution 0.2 °C (0.5 °F) Hard carrying case • Tripod mounting •	(Assumes ambient operating temperature	-26 to -18 °C (-15 to 0 °F): ±2.5 °C (±4 °F) -18 to 23 °C (0 to 73 °F): ±2 °C (±3 °F) 23 to 510 °C (73 to 950 °F): ±1 % of reading or ±1 °C (±2 °F), whichever is greater
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Emissivity Ambient operating temp Relative humidity Storage temperature Dimensions 200 x 160 x 55 mm (8 x 6 x 2 in.) Weight Batter life (alkaline) Typical distance to target Distance to Spot ratio Max temperature display Display hold (7 seconds) LCD backlit Temperature display Display resolution Honors with laser and backlight on according to the first seconds and the first seconds according to the first seconds acc	Response time	≤ 0.5 second (95 % of reading)
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Max temperature display Display hold (7 seconds) LCD backlit Temperature display Display resolution O.2 °C (0.5 °F) Hard carrying case Tripod mounting •	Typical distance to target	Up to 2 m (6 ft.)
Display hold (7 seconds) LCD backlit Temperature display Display resolution O.2 °C (0.5 °F) Hard carrying case Tripod mounting •	Distance to Spot ratio	12:1
LCD backlit Temperature display Display resolution Hard carrying case Tripod mounting • C or °F selectable 0.2 °C (0.5 °F) • Tripod mounting	Max temperature display	•
Temperature display Display resolution Hard carrying case Tripod mounting °C or °F selectable 0.2 °C (0.5 °F) •	Display hold (7 seconds)	•
Display resolution 0.2 °C (0.5 °F) Hard carrying case • Tripod mounting •	LCD backlit	•
Hard carrying case • Tripod mounting •	Temperature display	°C or °F selectable
Tripod mounting •	Display resolution	0.2 °C (0.5 °F)
	Hard carrying case	•
Warranty 2 years, conditional	Tripod mounting	•
	Warranty	2 years, conditional

Optional accessories:

• Non-contact thermometer holster



Ordering information

Fluke 63 Infrared Thermometer

Included



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Fluke Corporation PO Box 9090, Everett, WA USA 98206

Fluke Europe B.V. PO Box 1186, 5602 BD Eindhoven, The Netherlands

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