

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:

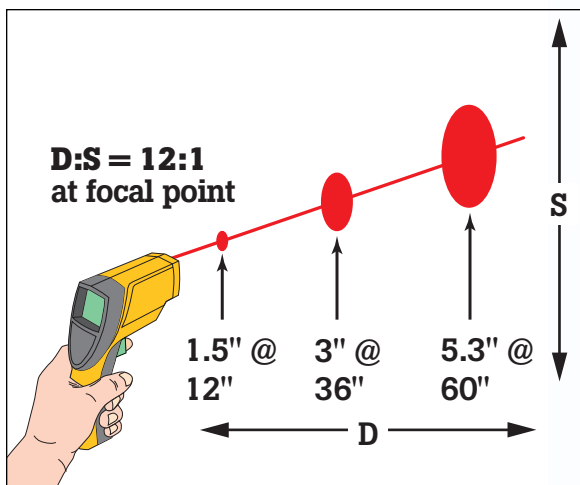
- Expanded measurement range up to 535 °C (999 °F)
- High-resolution optics
- High accuracy: 1 % and repeatability: 0.5 %
- MAX temperature display
- Laser targeting
- Backlit display

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 | -32 to 535 °C (-25 to 999 °F) |
| Accuracy (Assumes ambient operating temperature of 23 °C [73 °F]) | -32 to -26 °C (-25 to -15 °F): ±3 °C (±5 °F) -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 Above 510 °C (950 °F): ±1.5 % of reading |
| Repeatability | ±0.5 % 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 |
| Display resolution | 0.2 °C (0.5 °F) |
| Hard carrying case | • |
| Tripod mounting | • |
| Warranty | 2 years, conditional |

Optional accessories:

- Non-contact thermometer holster



Ordering information

Fluke 63 Infrared Thermometer

Included



Fluke. Keeping your world up and running.

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