

Fluke 62 MAX, 62 MAX+ Infrared Thermometers

Takes the heat. And the dust, water and 3-meter drop. The Fluke 62 MAX and 62 MAX+ are the only mini IR thermometers you can handle without care.



Fluke 62 MAX and Fluke 62 MAX+

Designed with your on-the-job needs in mind, the new Fluke 62 MAX and 62 MAX+ infrared thermometers are everything you'd expect from the experts in measurement tools. Small in size, extremely accurate and very easy to use. IP54 rated for dust and water resistance. Precise yet rugged enough to take a 3-meter drop. In fact, the 62 MAX and 62 MAX+ are so tough, they're the only IR thermometers around you can handle without care.

Key Benefits

- Dust and water-resistant: IP54 rated for dust and water resistance.
- Rugged: 3-meter (9.8-foot) drop tested.
- Ergonomically designed: Completely redesigned for a more natural hand fit.
- Small and lightweight; clips to your tool belt or belt loop or easily fits into your tool box.

Additional Features

- Distance to spot: Precise laser technology makes for more accurate and repeatable measurements.
- Dual lasers: The 62 MAX+ has dual rotating lasers to help you identify area to be measured. The measurement area is the spot between the dots.
- Large, backlit display: Large screen makes data easier to read, even in dark areas.
- Min/Max/Avg/Dif: Displays the minimum, maximum or average temperature, or the difference between two measurements.
- Alarm: Hi and Lo alarms for rapid display of measurements outside the limits.
- Power: Both the 62 MAX and 62 MAX+ are powered by a single, standard AA battery.

Specifications

Temperature Range

Fluke 62 MAX	-30 °C to 500 °C (-22 °F to 932 °F)
Fluke 62+ MAX	-30 °C to 650 °C (-22 °F to 1202 °F)

Accuracy

	±1.5 °C or ±1.5% of reading, whichever is greater
Fluke 62 MAX	-10 °C to 0 °C: ±2.0 -30 °C to -10 °C: ±3.0
	±1.0 °C or ±1.0% of reading, whichever is greater
Fluke 62+ MAX	-10 °C to 0 °C: ±2.0 -30 °C to -10 °C: ±3.0

Response Time (95%)

Fluke 62 MAX	<500 ms (95% of reading)
Fluke 62+ MAX	<300 ms (95% of reading)
Spectral Response	8 to 14 microns
Emissivity	0.10 to 1.00

Optical Resolution

Fluke 62 MAX	10:1 (calculated at 90% energy)
Fluke 62+ MAX	12:1 (calculated at 90% energy)

Display Resolution

0.1 °C (0.2 °F)

Repeatability of Readings

Fluke 62 MAX	±0.8% of reading or <±1.0 °C (2 °F), whichever is greater
Fluke 62+ MAX	±0.5% of reading or <±0.5 °C (1 °F), whichever is greater

Power

AA battery

Battery Life

Fluke 62 MAX	10 hours with laser and backlight on
Fluke 62+ MAX	8 hours with laser and backlight on

Physical Specifications

Weight	255 g (8.99 oz)
Size	(175 x 85 x 75) mm (6.88 x 3.34 x 2.95) inches
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F), (without battery)
Operating Humidity	10 % to 90 % RH non-condensing at 30 °C (86 °F)
Operating Altitude	2000 meters above mean sea level
Storage Altitude	12,000 meters above mean sea level
IP Rating	IP 54 per IEC 60529
Drop Test	3 meters
Vibration and Shock	IEC 68-2-6 2.5 g, 10 to 200 Hz, IEC 68-2-27, 50 g, 11 ms
EMC	EN 61326-1:2006 EN 61326-2:2006

Standards and Agency Approval

Compliance	EN/IEC 61010-1: 2001
Laser Safety	FDA and EN 60825-1 Class II