

FLUKE®

Fluke 59 MAX/59 MAX+ Infrared Thermometer

Fits your budget. Fits your job.

With 65 years of expertise as the leader in the test tools industry, Fluke has built the 59 MAX and 59 MAX+ IR thermometers with the precision you need to do your job accurately and within your budget. Designed to withstand a 1 meter drop, you can count on these lightweight, compact IR thermometers to work when you need them.



Technical Data

Product highlights

- Precise laser technology for more accurate and repeatable measurements
- Large, easy-to-read backlit LCD display for easy viewing
- Small and lightweight design fits easily into your tool box
- IP40 rated for extra protection
- 10:1 Distance to Spot ratio, 59 MAX+ (8:1 Distance to Spot ratio, 59 MAX)
- Displays the minimum, maximum or average temperature, or the difference between two measurements
- Hi and Lo alarms for rapid display of measurements outside the limits
- Powered by one (1) AA battery
- One year warranty

Specifications

	59 MAX	59 MAX+
Temperature range	-30 °C to 350 °C (-22 °F to 662 °F)	-30 °C to 500 °C (-22 °F to 932 °F)
Accuracy (Calibration geometry with ambient temperature 23 °C ±2 °C)	≥ 0 °C: ± 2.0 °C or ± 2.0 % of reading, whichever is greater	≥ 0 °C: ± 1.5 °C or ± 1.5 % of reading, whichever is greater
	≥ -10 °C to <0 °C: ± 2.0 °C	≥ -10 °C to <0 °C: ± 2.0 °C
	< -10 °C: ± 3.0 °C	< -10 °C: ± 3.0 °C
	≥ 32 °F: ± 4.0 °F or ± 2.0 % of reading, whichever is greater	≥ 32 °F: ± 3.0 °F or ± 1.5 % of reading, whichever is greater
	≥ 14 °F to <32 °F: ± 4.0 °F	≥ 14 °F to <32 °F: ± 4.0 °F
	< 14 °F: ± 6.0 °F	< 14 °F: ± 6.0 °F
Response time (95 %)	<500 ms (95 % of reading)	< 500 ms (95 % of reading)
Spectral response	8 μm to 14 μm	
Emissivity	0.10 to 1.00	
Distance to spot ratio	8:1 (calculated at 90 % energy)	10:1 (calculated at 90 % energy)
Display resolution	0.1 °C (0.2 °F)	
Repeatability (% of reading)	±1.0 % of reading or ±1.0 °C (±2.0 °F), whichever is greater	±0.8 % of reading or ±1.0 °C (±2.0 °F), whichever is greater
General specifications		
Power	1 AA IEC LR06 Battery	
Batter life	12 hours with laser and backlight on	
Weight	220 g (7.76 oz)	
Size	(156 x 80 x 50) mm (6.14 x 3.15 x 2) 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 @ 30 °C (86 °F)	
Operating altitude	2000 meters above mean sea level	
Storage altitude	12,000 meters above mean sea level	
Drop test	1 m	
Safety specifications		
Ingress protection rating	IP40 per IEC 60529	
Vibration and shock	IEC 68-2-6 2.5 g, 10 to 200 Hz, IEC 68-2-27, 50 g, 11 ms	
Compliance	EN/IEC 61010-1	
Laser safety	FDA and EN 60825-1 Class II	
Electromagnetic compatibility	61326-1 EN 61326-2	



Ordering information

Fluke 59 MAX Infrared Thermometer
 Fluke 59 MAX+ Infrared Thermometer

Included:

Thermometer, One (1) AA battery,
 registration card and user instructions.

Fluke. *The Most Trusted Tools
 in the World.*

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 Printed in U.S.A. 6/2013 6000025A_EN

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