Fluke 59 MAX/59 MAX+ Infrared Thermometer

Fits your budget. Fits your job.

Technical Data

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.

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 fits 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

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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 rime (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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