

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.



New

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 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			



ITS

Ordering information

Fluke 59 MAX Infrared Thermometer
Fluke 59 MAX+ Infrared Thermometer

Included:

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