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Fluke 59 MAX Infrared Thermometer

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Specifications

Temperature Range -30 °C to 350 °C (-22 °F to 662 °F)

Accuracy (Calibration geometry with ambient $\geq 0\text{ }^{\circ}\text{C}$: $\pm 2.0\text{ }^{\circ}\text{C}$ or $\pm 2.0\%$ of reading, whichever is greater

$\geq -10\text{ }^{\circ}\text{C}$ to $< 0\text{ }^{\circ}\text{C}$: $\pm 2.0\text{ }^{\circ}\text{C}$

temperature 23 °C ±2 °C)	< -10 °C:	±3.0 °C
	≥ 32 °F:	±4.0 °F or ±2.0 % of reading, whichever is greater
	≥ 14 °F to <32 °F:	±4.0 °F
	< 14 °F:	±6.0 °F
Response Time (95 %)	<500 ms (95 % of reading)	
Spectral Response	8 mm to 14 mm	
Emissivity	0.10 to 1.00	
Distance to Spot Ratio	8:1 (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	
Power	1 AA IEC LR06 Battery	
Battery 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	
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

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