Fluke 59 MAX/59 MAX+ Infrared Thermometer
Fits your budget. Fits your job.

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 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

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.
# Specifications

<table>
<thead>
<tr>
<th></th>
<th>59 MAX</th>
<th>59 MAX+</th>
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</thead>
<tbody>
<tr>
<td><strong>Temperature range</strong></td>
<td>-30 °C to 350 °C (-22 °F to 662 °F)</td>
<td>-30 °C to 500 °C (-22 °F to 932 °F)</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>≥ 0 °C: ± 2.0 °C or ± 2.0 % of reading, whichever is greater</td>
<td>≥ 0 °C: ± 1.5 °C or ± 1.5 % of reading, whichever is greater</td>
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<tr>
<td></td>
<td>≥ -10 °C to &lt; 0 °C: ± 2.0 °C</td>
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<td></td>
<td>&lt; -10 °C: ± 3.0 °C</td>
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<tr>
<td><strong>Response time (95 %)</strong></td>
<td>&lt; 500 ms (95 % of reading)</td>
<td>&lt; 500 ms (95 % of reading)</td>
</tr>
<tr>
<td><strong>Spectral response</strong></td>
<td>8 μm to 14 μm</td>
<td></td>
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<tr>
<td><strong>Emissivity</strong></td>
<td>0.10 to 1.00</td>
<td>0.10 to 1.00</td>
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<tr>
<td><strong>Distance to spot ratio</strong></td>
<td>8:1 (calculated at 90 % energy)</td>
<td>10:1 (calculated at 90 % energy)</td>
</tr>
<tr>
<td><strong>Display resolution</strong></td>
<td>0.1 °C (0.2 °F)</td>
<td></td>
</tr>
<tr>
<td><strong>Repeatability (% of reading)</strong></td>
<td>± 1.0 % of reading or ± 1.0 °C (±2.0 °F), whichever is greater</td>
<td>± 0.8 % of reading or ± 1.0 °C (±2.0 °F), whichever is greater</td>
</tr>
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**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
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Fluke 59 MAX+ Infrared Thermometer

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