Dual Laser Extended Range Infrared Thermometer

Up to 50:1 Distance to Target Ratio

The Series IR6/IR7 Dual Laser Extended Range Infrared Thermometer is ideal for accurately measuring surface temperatures from long distances. This feature packed handheld device allows the user to read the maximum, minimum, average, and differential readings. The high and low alarms give audible and visual indication of the process temperature. When taking measurements in dark areas, a built-in white light can be used to illuminate the measurement area. For long term measurements, the unit includes a dual magnetic base attachment that allows hands-free measurements.

<table>
<thead>
<tr>
<th>Model</th>
<th>Distance to Target Ratio</th>
<th>NIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>IR6</td>
<td>30:1</td>
<td>No</td>
</tr>
<tr>
<td>IR7</td>
<td>50:1</td>
<td>No</td>
</tr>
<tr>
<td>IR6-NIST</td>
<td>30:1</td>
<td>Yes</td>
</tr>
<tr>
<td>IR7-NIST</td>
<td>50:1</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**
- **Measurement Range:** IR6: -76 to 1600°F (-60 to 900°C); IR7: -76 to 1832°F (-60 to 1000°C).
- **Operating Range:** 32 to 122°F (0 to 50°C).
- **Accuracy:** ±2% of reading or ±4°F (±2°C) whichever is greater.
- **Resolution:** 0.1°F (0.1°C).
- **Response Time:** 1 second.
- **Distance to Target:** IR6: 30:1; IR7: 50:1.
- **Emissivity:** 0.95 default – adjustable 0.10 to 1.00 in 0.01 steps.
- **Battery:** 2 AAA, 180 hours continuous use.
- **Units:** User selectable F or C.
- **Weight:** 13.62 oz (386.1 g).
- **Agency Approvals:** CE.

**Model IRM20, Noncontact Infrared Thermometer**

The economical, handheld Model IRM20 Noncontact Infrared Thermometer is compact, rugged and easy to use—just aim, push the button, and read current surface temperatures in less than a second. Hot, hazardous, or hard-to-reach objects are safely measured without contact. The unit has a wide temperature range from 0 to 500°F (-18 to 260°C) and a distance-to-spot size ratio of 6:1. The LCD shows temperatures in switchable °F or °C, holds the reading for 7 seconds after the button is released and indicates when the battery is low. The IRM20 is ideal for industrial, electrical, heating and air conditioning, automotive and food safety.

**SPECIFICATIONS**
- **Measurement Range:** 0 to 500°F (-18 to 260°C).
- **Operating Range:** Ambient: 32 to 120°F (0 to 50°C).
- **Accuracy:** ±2% of reading or ±3.5°F (±2°C) whichever is greater for targets at 30 to 500°F (-1 to 260°C); ±5°F (±3°C) for targets at 0 to 30°F (-18 to -1°C).
- **Repeatability:** ±2% of reading or ±3°F (±2°C).
- **Resolution:** 1°F/°C.
- **Response Time:** 500ms, 95% response.
- **Distance-to-Target:** 6:1.
- **Emissivity:** Fixed 0.95.
- **Battery:** One 9V battery. 12 hours continuous use.
- **Storage Temperature:** -4 to 150°F (-20 to 65°C) without battery.
- **Relative Humidity:** 10-95% RH noncondensing up to 86°F (35°C).
- **Spectral Response:** 7-16 µm.
- **Weight:** 0.5 lb (227 g).
- **Agency Approvals:** CE.