INFRARED THERMOMETERS
Extech’s range of High Temperature IR Thermometers include models with alarms, Type K inputs or Datalogging and printing capabilities.

**Featuring Model 42545**

- **High Temperature**
  - -58 to 1832°F (-50 to 1000°C) for demanding applications

- **50:1 Distance to Target**
  - Measures small areas from greater distances

- **Laser Pointer**
  - Identifies target area and improves aim

---

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Basic Accuracy</th>
<th>Repeatability</th>
<th>Max. Resolution</th>
<th>Emissivity</th>
<th>Field of View (Distance to Target)</th>
<th>Dimensions</th>
<th>Weight</th>
<th>CE</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>42515-NIST</td>
<td>High Temperature</td>
<td>-58 to 1832°F</td>
<td>-50 to 1000°C</td>
<td>-</td>
<td>-</td>
<td>50:1 field of view</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42540-NIST</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42545-NIST</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Order Meter with NIST Certificate*

All Extech meters come factory calibrated. For an additional charge, Extech will supply your meter with a Certificate of Calibration Traceable to N.I.S.T. with Data at multiple points. To order meter with NIST:

- 42515-NIST
- 42540-NIST
- 42545-NIST

*Only products listed are available with NIST Certificate. Meter must be ordered with NIST Certificate at time of purchase.*
### High Temperature IR Thermometers

**42515 1472°F (800°C), 13:1, IR Thermometer**
- **Type K Input, Memory**
- Automatic emissivity adjustment allows accurate measurement of virtually any surface
- Wide temperature range for IR temperature and Type K thermocouple measurements
- Automatic emissivity adjustment (for temperatures 212°F or higher)
- Memory stores up to 20 readings
- Adjustable high/low visual and audible alarm
- MAX/MIN/AVG/DIF features display highest, lowest, average, and MAX minus MIN values
- Large LCD display with bright backlight
- Built-in laser pointer improves aim
- Data Hold, Auto power off, and Low battery indication
- Complete with 9V battery, Type K bead wire probe (−22 to 572°F/-30 to 300°C), and soft case

**Specifications**
- **Display**: Large backlit display
- **Pointer**: Laser pointer
- **Other Features**: Data Hold, Auto power off, Low battery indication
- **Specifications**:
  - **Temperature**: -58° to 1472°F (-50 to 800°C)
  - **Distance to Target**: 13:1
  - **Emissivity Adjustment**: Automatic
  - **Accuracy**: ±2%rdg or 4°F (2°C) whichever is greater.<br>  
  ±2%rdg or 4°F (2°C) whichever is greater<br>  
  ±2%rdg or 4°F (2°C) whichever is greater<br>  
  ±2%rdg or 4°F (2°C) whichever is greater
- **Battery**: 9V battery
- **Case**: Hard carrying case
- **Ordering Information**: See pages 42 and 80 to order other Type K probes

### 42540 1400°F (760°C), 16:1, with Alarm, IR Thermometer
- **Type K Input**
- **High Temperature Range**: -58° to 1400°F (-50 to 760°C)
- **Distance to Target**: 16:1
- **Adjustable High/Low Alarm**: Alerts user visually and audibly when temperature exceeds programmed limits
- **Adjustable Emissivity**: For better accuracy on different surfaces
- **MIN/MAX/AVG/DIF Features**: Display highest, lowest, average, and MAX minus MIN values
- **Display**: Large backlit display
- **Pointer**: Laser pointer identifies target area
- **Other Features**: Automatic Data Hold, Auto power off
- **Specifications**:
  - **Temperature**: -58° to 1400°F (-50 to 760°C)
  - **Distance to Target**: 16:1
  - **Emissivity Adjustment**: Automatic
  - **Accuracy**: ±0.5% or ±1.8°F/1°C
- **Battery**: 9V battery
- **Case**: Hard carrying case
- **Ordering Information**: See pages 42 and 80 to order other Type K probes

### 42545 1832°F (1000°C), 50:1, with Alarm, IR Thermometer
- **Type K Input**
- **High Temperature Range**: -58° to 1832°F (-50 to 1000°C)
- **Distance to Target**: 50:1
- **Adjustable High/Low Alarm**: Alerts user visually and audibly when temperature exceeds programmed limits
- **Adjustable Emissivity**: For better accuracy on different surfaces
- **MIN/MAX/AVG/DIF Features**: Display highest, lowest, average, and MAX minus MIN values
- **Display**: Large backlit display
- **Pointer**: Laser pointer identifies target area
- **Other Features**: Automatic Data Hold, Auto power off
- **Specifications**:
  - **Temperature**: -58° to 1832°F (-50 to 1000°C)
  - **Distance to Target**: 50:1
  - **Emissivity Adjustment**: Automatic
  - **Accuracy**: ±0.5% or ±1.8°F/1°C
- **Battery**: 9V battery
- **Case**: Hard carrying case
- **Ordering Information**: See pages 42 and 80 to order other Type K probes