60 Series
Infrared Thermometers

Point, press and read temperature

The Fluke 60 Series non-contact thermometers are the ideal professional diagnostic tools for quick and accurate temperature measurements. These handheld tools are ideal for measuring surface temperatures of rotating, hard-to-reach, electricity live or dangerously hot targets like electrical motors and – panels, and heating and ventilation systems. The laser sighting system guides measurements to the right target and in less than a second, the large temperature display provides a readout of the surface temperature.

The 60 Series IR thermometers feature:
- Laser guided sighting system for easy targeting with 1% accuracy
- Up to 12 points datalogging with Min, max average functions
- Up to 50:1 optical resolution
- Choice between models with fixed or adjustable emissivity
- Backlit display for easy reading in the dark
- Temperatures up to 760°C

Included Accessories
Fluke 61: 9V Battery
Fluke 62: 9V Battery, storage holster
Fluke 63, 66 and 68: Hard carrying case, 9V batteries
Fluke 65: CS5 Soft carrying case and 2 AA batteries

Ordering information
Fluke 61 Infrared Thermometer
Fluke 62 Mini Infrared Thermometer
Fluke 63 Infrared Thermometer
Fluke 65 Infrared Thermometer
Fluke 66 Infrared Thermometer
Fluke 68 Infrared Thermometer

10887-eng Rev. 02

Battery Life:
- Fluke 66 and 68: 20 hours with laser and backlight on 50% power
- Fluke 65: 15 hours with laser and backlight on
- Fluke 63: 10 hours with laser and backlight on
- Fluke 62: 12 hours with laser and backlight on
- Fluke 61: 12 hours with laser and backlight on

Size (HxWxD):
- Fluke 63, 66 and 68: 200 mm x 160 mm x 55 mm
- Fluke 65: 185 mm x 64 mm x 38 mm
- Fluke 62: 152 mm x 101 mm x 38 mm
- Fluke 61: 184 mm x 45 mm x 38 mm

Weight:
- Fluke 63, 66 and 68: 0.320 kg
- Fluke 65: 0.284 kg
- Fluke 62: 0.200 kg
- Fluke 61: 0.227 kg

Fluke 62: 2 years warranty
Other models: one year warranty

Recommended Accessories
C23 80PR-60 H6

Specifications

<table>
<thead>
<tr>
<th></th>
<th>61</th>
<th>62</th>
<th>63</th>
<th>65</th>
<th>66</th>
<th>68</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>-18 to 275°C</td>
<td>-30 to 500°C</td>
<td>-32 to 535°C</td>
<td>-40 to 500°C</td>
<td>-32 to 600°C</td>
<td>-32 to 760°C</td>
</tr>
<tr>
<td>Response time</td>
<td>&lt;1 second</td>
<td>&lt;0.5 second</td>
<td>&lt;1 second</td>
<td>±0.5%</td>
<td>±0.5%</td>
<td>±0.5%</td>
</tr>
<tr>
<td>Resolution</td>
<td>1°C</td>
<td>0.5°C</td>
<td>0.1°C</td>
<td>0.1°C</td>
<td>0.1°C</td>
<td>0.1°C</td>
</tr>
<tr>
<td>Repeatability (%) of reading</td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
</tr>
<tr>
<td>Accuracy: (measured at 23°C)</td>
<td>±0.5%</td>
<td>±0.5%</td>
<td>±0.5%</td>
<td>±0.5%</td>
<td>±0.5%</td>
<td>±0.5%</td>
</tr>
<tr>
<td>Emissivity</td>
<td>0.95</td>
<td>0.95</td>
<td>0.95</td>
<td>0.95</td>
<td>0.95</td>
<td>0.95</td>
</tr>
<tr>
<td>Typical distance to target</td>
<td>1 m</td>
<td>1.5 m</td>
<td>2 m</td>
<td>1 m</td>
<td>0 m</td>
<td>0 m</td>
</tr>
<tr>
<td>Emissivity</td>
<td>Fixed at 0.95</td>
<td>Pre-set to 0.95</td>
<td>Fixed at 0.95</td>
<td>Fixed at 0.95</td>
<td>Digitally adjustable from 0.1 to 1.0 by 0.01</td>
<td>Digitally adjustable from 0.1 to 1.0 by 0.01</td>
</tr>
</tbody>
</table>

* whichever is greater