Fluke temperature accessories

Hot probes with cool designs

SureGrip™ temperature accessories
The innovative SureGrip™ design from Fluke is now available in select temperature probes. The soft rubber handle combined with a new ergonomic shape is so comfortable to hold that you’ll forget about the probe and focus on the measurement. All SureGrip probes have an improved, more flexible strain relief for a long life.

Soft rubber handle provides a secure grip

Cleans up with soap and water

Use an 80A adapter with meters with temperature function such as the 16, 78, 83V, 87V, 88V, 179, 187 and 189.

The 80PK enables your meter to read temperature using mV [see the Accessory selection guide on page 60 for meters].

For the Fluke Thermometer, 51, 52, 53, and 54 III, no adapter is necessary for thermocouple types K, J, T and E.

For more information and detailed specifications, go to www.fluke.com/accessories

The right tool for the job
Make better temperature measurements with a probe designed for your application. The 80PK-8 pipe clamp probe (shown) is specifically designed for measuring pipe temperatures, calculating superheat and sub-cooling for refrigeration troubleshooting. Other special purpose probes shown are designed for making quick surface, fluid and air temperature measurements. The piercing probe makes it possible to make temperature measurements below the surface of a soft object. To enable your Fluke DMM or 50 Series II thermometer to make its’ best possible measurements, choose the correct probe from the selection guide below.

SureGrip™ temperature accessories

<table>
<thead>
<tr>
<th>Read</th>
<th>Read</th>
<th>HVAC</th>
<th>Immersion</th>
<th>Surface</th>
<th>Air</th>
<th>Piercing</th>
<th>General purpose</th>
<th>Industrial surface</th>
<th>Pipe clamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>80PK</td>
<td>80PK-1</td>
<td>80PK-22</td>
<td>80PK-3A</td>
<td>80PK-26</td>
<td>80PK-29</td>
<td>80PK-28</td>
<td>80PK-27</td>
<td>80PK-C</td>
<td></td>
</tr>
<tr>
<td>Lowest temp</td>
<td>-40 °C (-40 °F)</td>
<td>-30 °C (-22 °F)</td>
<td>-40 °C (-40 °F)</td>
<td>0 °C (32 °F)</td>
<td>-40 °C (-40 °F)</td>
<td>-40 °C (-40 °F)</td>
<td>127 °C (260 °F)</td>
<td>-29 °C (-20 °F)</td>
<td></td>
</tr>
<tr>
<td>Highest temp</td>
<td>280 °C (540 °F)</td>
<td>105 °C (221 °F)</td>
<td>1050 °C (1944 °F)</td>
<td>260 °C (500 °F)</td>
<td>816 °C (1500 °F)</td>
<td>350 °C (662 °F)</td>
<td>816 °C (1500 °F)</td>
<td>600 °C (1112 °F)</td>
<td></td>
</tr>
<tr>
<td>Probe material</td>
<td>K type wire with teflon insulation</td>
<td>Velcro</td>
<td>Inconel 600</td>
<td>K type sensor with teflon body</td>
<td>Inconel</td>
<td>316 Stainless Steel</td>
<td>304 Stainless Steel</td>
<td>K type sensor with PVC body</td>
<td></td>
</tr>
<tr>
<td>Probe length</td>
<td>1 m Lead Wire</td>
<td>1.8 m Velcro cuff</td>
<td>21.27 cm (8.375 in)</td>
<td>9.525 cm (3.75 in)</td>
<td>21.59 cm (8.5 in)</td>
<td>10.16 cm (4 in)</td>
<td>21.57 cm (8.5 in)</td>
<td>20.32 cm (8 in)</td>
<td></td>
</tr>
<tr>
<td>Cable length</td>
<td>1 m (39 in)</td>
<td>1.3 m (4 ft)</td>
<td>1 m (39 in)</td>
<td>1.3 m (4 ft)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connection</td>
<td>Standard Banana Jack</td>
<td>Molded Thermocouple Plug</td>
<td>SureGrip handle</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Key feature
- Ideal for initial troubleshooting. Can be secured in place with a magnet.
- Velcro probe allows hands free temperature measurement.
- For use in liquids or in gels.
- Exposed junction for direct contact with flat or slightly convex surfaces.
- Perforated baffle for air and non-caustic gas measurements.
- Use for general purpose air or surface measurements.
- Low conductivity stainless steel minimizes thermal shunting. Extra rugged.
- Clamps securely to pipe. Measurements are repeatable to 0.05 °C (0.09 °F).

Thermocouple types
- K
- J
- T
- E

Typical use
- General purpose
- HVAC
- Food service
- Industrial
- Residential
- Commercial
- Non-caustic
- High temperature
- Lightning protection
- Vacuum

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