Instrumentation

Bimetal Dial Thermometers

Bimetal Dial Thermometers for Industrial Applications

Typical Applications

- Oil, Gas & Petrochemical
- Waste Water
- Pharmaceutical
- Compost
- Food & Beverage
- Military
- Paper and Pulp
- Dairy
- Mining
- Power Generation
- Utilities
- Refrigeration
- Marine
- and Many More !!!

Bimetal Dial Thermometers are ideal for when you need a simple, “local” temperature display.

Tempco offers 2 styles: Backmounted and Adjustable Angle, each available with either 3” or 5” dials.

Backmounted Bimetal Dial Thermometers

Design Features

- All Stainless Steel Construction
- Hermetically Sealed (ASME B40.3)
- Accurate to 1% of Full Scale
- Standard External Reset
- Silicone Fillable for Vibration Resistance
- 1/2” NPT Connection Standard
- Selected 3” and 5” Dial Thermometers Available from Stock

Backmounted Bimetal Dial Thermometers Standard Sizes and Ranges

1/2” NPT Connection Standard

<table>
<thead>
<tr>
<th>Dial Dia. (in)</th>
<th>Stem Length (in)</th>
<th>-40 to 160°F</th>
<th>0 to 100°F</th>
<th>0 to 200°F</th>
<th>0 to 250°F</th>
<th>50 to 300°F</th>
<th>50 to 550°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2.5</td>
<td>BMT10001</td>
<td>BMT10004</td>
<td>BMT10007</td>
<td>BMT10010</td>
<td>BMT10013</td>
<td>BMT10016</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>BMT10002</td>
<td>BMT10005</td>
<td>BMT10008</td>
<td>BMT10011</td>
<td>BMT10014</td>
<td>BMT10017</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>BMT10003</td>
<td>BMT10006</td>
<td>BMT10009</td>
<td>BMT10012</td>
<td>BMT10015</td>
<td>BMT10018</td>
</tr>
<tr>
<td>5</td>
<td>2.5</td>
<td>BMT10019</td>
<td>BMT10022</td>
<td>BMT10025</td>
<td>BMT10028</td>
<td>BMT10031</td>
<td>BMT10034</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>BMT10020</td>
<td>BMT10023</td>
<td>BMT10026</td>
<td>BMT10029</td>
<td>BMT10032</td>
<td>BMT10035</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>BMT10021</td>
<td>BMT10024</td>
<td>BMT10027</td>
<td>BMT10030</td>
<td>BMT10033</td>
<td>BMT10036</td>
</tr>
</tbody>
</table>

Stock Items Are Shown In RED

Adjustable Angle Bimetal Dial Thermometers

Design Features

- Complete 180° Adjustability
- 360° Case Rotation
- All Stainless Steel Construction
- Hermetically Sealed (ASME B40.3)
- Accurate to 1% of Full Scale
- Standard External Reset
- Silicone Fillable for Vibration Resistance
- 1/2” NPT Connection Standard
- Selected 3” and 5” Dial Thermometers Available from Stock

CONTINUED
Bimetal Dial Thermometers for Industrial Applications

Adjustable Angle Bimetal Dial Thermometers Standard Sizes and Ranges

1/2" NPT Connection Standard

<table>
<thead>
<tr>
<th>Dial Dia. (in)</th>
<th>Stem Length (in)</th>
<th>Part Number by Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2.5</td>
<td>BMT20001, BMT20004, BMT20007, BMT201010, BMT201013, BMT201016</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>BMT20020, BMT20023, BMT20026, BMT2029, BMT2032, BMT2035</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>BMT20027, BMT2030, BMT20033, BMT20036</td>
</tr>
<tr>
<td>5</td>
<td>2.5</td>
<td>BMT20019, BMT20022, BMT20025, BMT20028, BMT20031, BMT20034</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>BMT20020, BMT20023, BMT20026, BMT2029, BMT2032, BMT2035</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>BMT20027, BMT2030, BMT20033, BMT20036</td>
</tr>
</tbody>
</table>

Stock Items Are Shown In RED

Ordering Code

<table>
<thead>
<tr>
<th>Dial Diameter BOX 1</th>
<th>Standard: 3 = 3&quot;</th>
<th>Special: 4 = 4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem Diameter BOX 2</td>
<td>A = Adjustable Angle</td>
<td>B = Back Mounted</td>
</tr>
</tbody>
</table>

Temperature Scale BOX 5

<table>
<thead>
<tr>
<th>Temperature Range</th>
<th>Fahrenheit</th>
<th>Celsius</th>
<th>Dual (°F &amp; °C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>-40/160°F</td>
<td>-40/160°F &amp; -40/70°C</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>0/100°F</td>
<td>0/100°F &amp; -5/50°C</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>0/200°F</td>
<td>0/200°F &amp; -10/90°C</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>0/250°F</td>
<td>0/250°F &amp; -20/120°C</td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>50/300°F</td>
<td>50/300°F &amp; 10/150°C</td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>50/500°F</td>
<td>50/500°F &amp; 10/100°C</td>
<td></td>
</tr>
</tbody>
</table>

Special Options BOX 7

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS</td>
<td>Stainless Steel Stem</td>
</tr>
<tr>
<td>Py</td>
<td>Polycarbonate Window</td>
</tr>
<tr>
<td>TG</td>
<td>Tempered Glass Window</td>
</tr>
<tr>
<td>MM</td>
<td>Min/Max Pointer</td>
</tr>
<tr>
<td>F3</td>
<td>3/8&quot; Stem Diameter</td>
</tr>
</tbody>
</table>

Ordering Information

Bimetal Thermometers are offered with the options listed in the worksheet above. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements and a part number will be assigned. Part Numbers for commonly used Bimetal Thermometers can be found in table above.

Standard lead time is stock to 3 weeks.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

(800) 323-6859 • Email: sales@tempco.com
Instrumentation

Digital Thermometers

Handheld Digital Thermometers — Heavy Duty, Accurate

Type J or K Thermometers with single or dual input, with direct or differential measurements to 0.1°

Design Features:
✴ Rugged design for field use — includes rubber holster.
✴ Displays Maximum reading and Data Hold at the touch of a button.
✴ Single or dual input models available.
✴ Dual input model provides differential readings.
✴ Accurate to 0.3%, °F/°C switchable on the front panel.
✴ Includes: 9V battery, holster with stand, wrist strap and bead-style temperature probe.

Temperature Probes – Thermocouple Type K

All probes shown come with 39" of cable and a mini-type plug.

**DTA11015**
✴ Surface Probe
✴ Straight Shaft
✴ 6" (152 mm) long Ceramic Tip
✴ Maximum Temperature: 932°F / 500°C

**DTA11025**
✴ Blunt-end Probe
✴ 4" (102 mm) long, 0.130" dia. rounded tip
✴ Type K T/C
✴ Maximum Temperature: 1292°F / 700°C

**DTA11035**
✴ Piercing-end Probe
✴ 4" (102 mm) long, 0.130" dia. rounded tip
✴ Type K T/C
✴ Maximum Temperature: 1472°F / 800°C

View Product Inventory @ www.tempco.com