### Thermocouples for the Plastics Industry

**Temperature Sensing**

**Bayonet Styles**

- **Style 3—Rigid Straight Bayonet Thermocouple**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Termination Style</th>
<th>&quot;A&quot; Dim. (in)</th>
<th>&quot;L&quot; Dim. (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP30001</td>
<td>S</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP30002</td>
<td>C</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP30003</td>
<td>P</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP30004</td>
<td>J</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP30005</td>
<td>B</td>
<td>4</td>
<td>48</td>
</tr>
</tbody>
</table>

- **Style 4—Rigid 45° Bend Bayonet Thermocouple**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Termination Style</th>
<th>&quot;A&quot; Dim. (in)</th>
<th>&quot;L&quot; Dim. (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP40001</td>
<td>S</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP40002</td>
<td>C</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP40003</td>
<td>P</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP40004</td>
<td>J</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP40005</td>
<td>B</td>
<td>4</td>
<td>48</td>
</tr>
</tbody>
</table>

- **Style 5—Rigid 90° Bend Bayonet Thermocouple**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Termination Style</th>
<th>&quot;A&quot; Dim. (in)</th>
<th>&quot;L&quot; Dim. (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP50001</td>
<td>S</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP50002</td>
<td>C</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP50003</td>
<td>P</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP50004</td>
<td>J</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>TCP50005</td>
<td>B</td>
<td>4</td>
<td>48</td>
</tr>
</tbody>
</table>

### Ordering Information

TCP Thermocouples are offered with the options listed in the worksheets. 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.

#### Ordering Code:

**TCP**

- **Style**  
  - 3 = Straight  
  - 4 = 45° Bend  
  - 5 = 90° Bend

- **Calibration**
  - ANSI Standard
  - Tolerances
  - J, K, E, T, N

- **Sheath Diameter**
  - F = 0.125" ± .002  
  - G = 0.188" ± .002 (Standard)

- **“A” Dimension**
  - Whole inches  
  - 01 to 99 (1-3/4" min.)

- **“A” Dimension**
  - Fractional inches  
  - 0 = 0"  
  - 1 = 1/8"  
  - 2 = 1/4"  
  - 3 = 3/8"  
  - 4 = 1/2"  
  - 6 = 3/4"  
  - 7 = 7/8"

- **Lead Insulation**
  - w/ SS Overbraid  
  - w/ SS Armor Cable
  - Fiberglass 900°F (482°C)  
  - Teflon® 400°F (204°C)
  - S = Grounded  
  - B = Ungrounded

- **Termination**
  - (See page 14-9 for Termination Style Descriptions)
  - B = 2-1/2 in. Split Leads  
  - S = Spade Lugs  
  - C = Spade Lugs with BX Conn.
  - P = Standard Plug  
  - J = Standard Jack
  - K = Standard Plug and Jack
  - D = Miniature Plug  
  - E = Miniature Jack
  - F = Mini. Plug and Jack
  - X = Other (Specify)

- **Tip Style**
  - R = Round  
  - F = Flat  
  - D = Drill Point

- **Special Requirements**
  - X = Specify  
  - 0 = None

### WARNING:

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

View Product Inventory @ www.tempco.com

**Rev 2 (8-18)**
Optional Thermocouple Termination Styles

Available for the following thermocouples:

<table>
<thead>
<tr>
<th>Style</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTW</td>
<td>14-2</td>
</tr>
<tr>
<td>TCP</td>
<td>14-3 through 14-5</td>
</tr>
<tr>
<td>TRW</td>
<td>14-6</td>
</tr>
<tr>
<td>TSW</td>
<td>14-6</td>
</tr>
<tr>
<td>TPW</td>
<td>14-7</td>
</tr>
<tr>
<td>TNW</td>
<td>14-7</td>
</tr>
<tr>
<td>TWW</td>
<td>14-8</td>
</tr>
<tr>
<td>TMW</td>
<td>14-8</td>
</tr>
<tr>
<td>MTA1</td>
<td>14-15</td>
</tr>
</tbody>
</table>

Thermocouple Extension Assemblies

Ordering Information

ECA Thermocouple Extension Assemblies are offered with the options listed in the worksheet below. 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.

Ordering Code: ECA

Termination 1 & 2 BOX 1 & 2
S = Spade Lugs
C = Spade Lugs with BX Conn.
P = Standard Plug
J = Standard Jack

“L” Dimension BOX 4
Whole inches 006 to 999

Lead Insulation BOX 5
Fiberglass 900°F (482°C) S T
Fiberglass 400°F (204°C) B D
Teflon® 900°F (482°C) A F

Special Requirements BOX 6
X = Specify
0 = None

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