Pyromation insertion probes with formed pistol grip handles, are used to measure internal temperature of meat, fish, poultry, and other food products, both fresh and slightly frozen varieties. Other uses include penetration of soft process materials such as rubber and plastic compounds. The materials of construction are all FDA compliant for use in sanitary applications. The sheath tips are made of full hard-drawn 304SS hypodermic tubing with a sharp needle-point insertion tip. Handles are constructed of formed stainless steel tubing and are available in three size and strength configurations to match the process duty requirements. All leads are epoxy sealed.

**FIGURE 1**

**FIGURE 2**

---

### ORDER CODES

**Example Thermocouple Order Number:**

<table>
<thead>
<tr>
<th>CODE</th>
<th>TIP DIA. (inches)</th>
<th>GRIP &quot;G&quot; DIM. (inches)</th>
<th>GRIP DIA. (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPGM2G</td>
<td>0.134</td>
<td>2 3/8</td>
<td>5/16</td>
</tr>
<tr>
<td>RBF185PGL3-06-T3008-2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example RTD Order Number:**

<table>
<thead>
<tr>
<th>CODE</th>
<th>TIP DIA. (inches)</th>
<th>GRIP &quot;G&quot; DIM. (inches)</th>
<th>GRIP DIA. (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBF185PGM3</td>
<td>0.180</td>
<td>2 3/8</td>
<td>5/16</td>
</tr>
</tbody>
</table>

---

### 1 Penetration Thermocouple

**CODE**

- **LIGHT-DUTY HANDLE - FIGURE 1**
  - JPLG2G: 0.134, 1 1/4, 1/4
- **MEDIUM-DUTY HANDLE - FIGURE 2**
  - JPMG2G: 0.134, 2 3/8, 5/16
  - JPMG3G: 0.180, 2 3/8, 5/16
- **HEAVY-DUTY HANDLE - FIGURE 2**
  - JPHG3G: 0.180, 2 3/8, 3/8

**DUPLEX - FIGURE 2**

- JPNG3G: 0.180, 2 3/8, 3/8

To specify other calibrations, change first digit to K or T. To specify ungrounded junction, change last digit from G to U.

### 2 Immersion "U" Length

**DESCRIPTION**

Specify "U" dimension in inches using 2 digits, plus any fractional lengths. Examples: 02 = 2", 02(1/2) = 2.5". 12" maximum insertion length.

### 3 Extension Leadwire

**CODE**

- **LIGHT-DUTY HANDLE - FIGURE 1**
  - RBF185PGL2-06-T3008-2: 0.134, 1 1/4, 1/4
- **MEDIUM-DUTY HANDLE - FIGURE 2**
  - RBF185PGL2-06-T3008-2: 0.134, 2 3/8, 5/16
  - RBF185PGL3-06-T3008-2: 0.180, 2 3/8, 5/16
- **HEAVY-DUTY HANDLE - FIGURE 2**
  - RBF185PGL3-06-T3008-2: 0.180, 2 3/8, 3/8

**DUPLEX - FIGURE 2**

- RBF285PGH3: 0.180, 2 3/8, 3/8

Consult factory for other accuracies and types.

**OPTIONS**

- RB: Rubber boot (2 pin plugs only)
- MC: Matting connector
- CG: Cord grip (1/2" NPT PVC)

---

### 4 Terminations

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>TEMP RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3036</td>
<td>Standard plug</td>
<td>204 °C [400 °F]</td>
</tr>
<tr>
<td>3120</td>
<td>Miniature plug</td>
<td>105 °C [221 °F]</td>
</tr>
</tbody>
</table>

**CODE**

- **T3P_ _ _[t]** Fluoropolymer Insulation - Stranded Conductor - Flexible Armor - PVC-Coated
- **T3A_ _ _[t]** Fluoropolymer Insulation - Stranded Conductor - Flexible Armor - FEP coated
- **T3_ _ _[t]** Fluoropolymer Insulation - Stranded Conductor - Stainless Steel Overbraid - FEP Insulation
- **M3_ _ _[t]** Fluoropolymer Insulation - Stranded Conductor - Silicon Rubber Jacket

[1] Insert 3 digit "B" dimension in inches.
[2] Not available with Type K.
[3] Only available in single 3-wire RTD.