The insertion type of RTD probes with formed pistol grip handles shown below, 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 formed stainless steel tubing and are available in three size and strength configurations to match the process duty requirements, and all leads are epoxy sealed.

**STANDARD ASSEMBLY SPECIFICATIONS**

- **Element:** 100 ohm Platinum / ± .12% @ 0°C
- **Temp. Coefficient:** .00385 ohms / ohm / 0°C
- **Temp. Range:** -40 to 400°F (-40 to 204°C)
- **Leadwire:** Stranded Silver Plated Copper Conductors, Teflon Insulated

Example Order Number:

<table>
<thead>
<tr>
<th>RTD SENSOR STYLE</th>
<th>ORDER CODE</th>
<th>TEMP. COEF.</th>
<th>TIP DIA</th>
<th>INSERT 'U'</th>
<th>GRIP 'G'</th>
<th>GRIP DIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 1 - Light Duty Handle</td>
<td>RBF185PGL2</td>
<td>.00385</td>
<td>.134&quot; OD</td>
<td>6&quot;</td>
<td>1(1/4)&quot;</td>
<td>1/4&quot;</td>
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<tr>
<td>Figure 2 - Medium Duty Handle</td>
<td>RBF185PGM2</td>
<td>.00385</td>
<td>.134&quot; OD</td>
<td>6&quot;</td>
<td>2(3/8)&quot;</td>
<td>5/16&quot;</td>
</tr>
<tr>
<td>RBF185PGM3</td>
<td>.00385</td>
<td>.180&quot; OD</td>
<td>6&quot;</td>
<td>2(3/8)&quot;</td>
<td>5/16&quot;</td>
<td></td>
</tr>
<tr>
<td>Figure 2 - Heavy Duty Handle</td>
<td>RBF185PH3</td>
<td>.00385</td>
<td>.180&quot; OD</td>
<td>6&quot;</td>
<td>2(3/8)&quot;</td>
<td>3/8&quot;</td>
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</tbody>
</table>

Consult factory for RTD probes with higher accuracies or other insertion lengths-12" max. Consult factory for longer lengths.

**TERMINATIONS**

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<tr>
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<tbody>
<tr>
<td>2</td>
<td>Leads stripped 2&quot; tinned 1/2&quot;</td>
</tr>
<tr>
<td>3</td>
<td>Leads stripped 2&quot; w/spade lugs</td>
</tr>
<tr>
<td>4</td>
<td>Standard male RTD plug (350°F max)</td>
</tr>
<tr>
<td>6</td>
<td>Miniature male RTD plug (350°F max)</td>
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</tbody>
</table>

**EXTENSION LEADWIRE**

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<th>ORDER CODE</th>
<th>WIRE GA.</th>
<th>INSULATION</th>
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<tr>
<td>M3__ M3__</td>
<td>24</td>
<td>N/A</td>
</tr>
<tr>
<td>S3__</td>
<td>24</td>
<td>N/A</td>
</tr>
<tr>
<td>T3T__</td>
<td>24</td>
<td>28</td>
</tr>
</tbody>
</table>

* Insert 3 digit 'B' dimension in inches - consult factory for other leadwire