Sanitary RTD Assemblies
Spring Loaded Design with Sanitary Thermowell

**PRS-TW-M12 Series**

- Removable Spring Loaded Probe in Well for Good Thermal Response
- 1½” 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting
- Standard Insertion Lengths of 1½, 2½, 4”, 7½, 10½"
- 4-Wire M12 Male Connector
- 316L SS Thermowell with 32 µin or Better Finish on Wetted Parts
- 4-Wire Pt100 Class A Element Standard
- -50 to 200°C (-58 to 392°F) Temperature Range

**Options**

- Fitting Styles
- RTD Elements

The OMEGA® PRS-TW-M12 series RTD probes are spring loaded into a sanitary thermowell, with a ½ x ½ NPT fitting for easy removal. These probes feature a 4-wire Pt100 Class A element (100 ±0.06 Ω at 0°C) that is compatible with 3-wire RTD instrumentation.

Please consult sales for available options, including element types and curves, probe lengths, and sanitary fitting styles.

**To Order**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Lead Wire Style</th>
<th>Ω at 0°C</th>
<th>Well Stem Length</th>
<th>Insertion Length</th>
<th>Shank Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRS-3-100-A-TW-0163-D1-M12</td>
<td>4-wire</td>
<td>100</td>
<td>2½”</td>
<td>1½”</td>
<td>½”</td>
</tr>
<tr>
<td>PRS-3-100-A-TW-0250-D1-M12</td>
<td>4-wire</td>
<td>100</td>
<td>4”</td>
<td>2½”</td>
<td>½”</td>
</tr>
<tr>
<td>PRS-3-100-A-TW-0450-D1-M12</td>
<td>4-wire</td>
<td>100</td>
<td>6”</td>
<td>4½”</td>
<td>¾ step to ½”</td>
</tr>
<tr>
<td>PRS-3-100-A-TW-0750-D1-M12</td>
<td>4-wire</td>
<td>100</td>
<td>9”</td>
<td>7½”</td>
<td>¾ step to ½”</td>
</tr>
<tr>
<td>PRS-3-100-A-TW-1050-D1-M12</td>
<td>4-wire</td>
<td>100</td>
<td>12”</td>
<td>10½”</td>
<td>¾ step to ½”</td>
</tr>
</tbody>
</table>

Visit omega.com/m12c for M12C series cables with M12 connectors. Please consult sales for available options, including element types and curves, probe lengths, and sanitary fitting styles.

**Ordering Examples:**
- **PRS-3-100-A-TW-0450-D1-M12** 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy) M12 4-wire male connector, spring loaded in a 1½” 16 AMP fitting thermowell with 6” stem length/4½” insertion length.
- **PRS-3-100-A-TW-0750-D1-M12** 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy) M12 4-wire male connector, spring loaded in a 1½” 16 AMP fitting thermowell with 9” stem length/7½” insertion length.