Sanitary RTD Assemblies
Spring Loaded Design with Sanitary Thermowell

PRS-TW-NB9W Series

- Removable Spring Loaded Probe in Well for Good Thermal Response
- 1½" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting
- Standard Insertion Lengths of 1¼, 2½, 4½, 7½, 10½" in
- White Polypropylene Head with Screw Cap Standard, Other Polypropylene and SS Heads Available
- 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
- Protection Heads

The OMEGA® PRS-TW-NB9W series RTD probes are spring loaded into a sanitary thermowell, with a ⅝ x ⅝ 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.

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-NB9W</td>
<td>4-wire</td>
<td>100</td>
<td>2½&quot;</td>
<td>1¼&quot;</td>
<td>½&quot;</td>
</tr>
<tr>
<td>PRS-3-100-A-TW-0250-D1-NB9W</td>
<td>4-wire</td>
<td>100</td>
<td>4&quot;</td>
<td>2½&quot;</td>
<td>¼&quot;</td>
</tr>
<tr>
<td>PRS-3-100-A-TW-0450-D1-NB9W</td>
<td>4-wire</td>
<td>100</td>
<td>6&quot;</td>
<td>4½&quot;</td>
<td>¾&quot; step to ½&quot;</td>
</tr>
<tr>
<td>PRS-3-100-A-TW-0750-D1-NB9W</td>
<td>4-wire</td>
<td>100</td>
<td>9&quot;</td>
<td>7¼&quot;</td>
<td>¾&quot; step to ½&quot;</td>
</tr>
<tr>
<td>PRS-3-100-A-TW-1050-D1-NB9W</td>
<td>4-wire</td>
<td>100</td>
<td>12&quot;</td>
<td>10½&quot;</td>
<td>¾&quot; step to ½&quot;</td>
</tr>
</tbody>
</table>

Optional protection heads: To order with NB16W white polypropylene flip-top head, change model number suffix from “-NB9W” to “-NB16W” for an additional cost.
To order with NB15 large 316 SS head, change model number suffix from “-NB9W” to “-NB15” for an additional cost.
To order with NB13 medium size 316 SS head, change model number suffix from “-NB9W” to “-NB13” for an additional cost.

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

Visit us Online for Head Mounted Transmitter Options

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

Standard well features include a 0.5" dia. stem (0.75" stepped down for insertion lengths over 2.5") with a 0.260" bore diameter. See the S-260 series thermowells online for complete well dimensions.

To Order Examples:
- PRS-3-100-A-TW-0450-D1-NB9W, 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy), spring loaded in a 1½" 16 AMP fitting thermowell with 6" stem length/4½" insertion length.
- PRS-3-100-A-TW-0750-D1-NB9W, 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy), spring loaded in a 1½" 16 AMP fitting thermowell with 9" stem length/7½" insertion length.