Sanitary Thermocouple Assemblies
Standard Duty With Protection Head

TCS-S-NB9W Series

- Standard Duty ¼" Probe Diameter
- ⅛" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting Standard
- White Polypropylene Head with Screw Cap Standard
- 316L SS Wetted Surfaces with 32 µin or Better Finish
- Ungrounded J, K, T or E Thermocouple, Special Limits of Error
- -50 to 200°C (-58 to 392°F) Temperature Range

Options
- Fitting Styles
- Protection Heads
- Probe Lengths

The TCS-S-NB9W Series thermocouple probe assemblies are available in standard lengths from 3 to 6", with an ungrounded thermocouple probe with special limits of error. Standard probes are available in J, K, T and E calibrations. Standard features include a ⅛” 16 AMP Tri-Grip™ fitting, type NB9W white polypropylene protection head with screw cap. Please consult sales for available options, including probe lengths, protection heads and sanitary fitting styles.

To Order Visit newportUS.com/tcs-h-nb9w for Pricing and Details

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Thermocouple Calibration</th>
<th>Sheath Diameter</th>
<th>Probe Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCS-(*)U-S-0300-D1-NB9W</td>
<td>J, K, T or E</td>
<td>¼&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>TCS-(*)U-S-0400-D1-NB9W</td>
<td>J, K, T or E</td>
<td>¼&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>TCS-(*)U-S-0500-D1-NB9W</td>
<td>J, K, T or E</td>
<td>¼&quot;</td>
<td>5&quot;</td>
</tr>
<tr>
<td>TCS-(*)U-S-0600-D1-NB9W</td>
<td>J, K, T or E</td>
<td>¼&quot;</td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

* Specify calibration: J, K, T or E
To order with NB15 large stainless steel screw top head, change suffix “NB9W” in model number to “NB15” and for an additional cost.

Note: Connection heads provided with nickel plated brass terminal blocks.

For lengths longer than 6", change “0300” in model number to the required length (12" = 1200, 6½" = 0925) for an additional cost per additional inch.

Ordering Example: TCS-TU-S-0600-D1-NB9W, Type “T” ungrounded thermocouple, ¼” diameter, 6” length, with ⅛” 16 AMP flange and NB9W white polypropylene screw cover head.

A-145
Sanitary Thermocouple Assemblies
Heavy-Duty With Protection Head

TCS-H-NB9W Series

- Heavy-Duty Probe Design with Stepped Probe Stem for Additional Strength
- 1½” 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting Standard
- White Polypropylene Head with Screw Cap Standard
- 316L SS Wetted Surfaces with 32 μin or Better Finish
- Ungrounded J, K, T or E Thermocouple, Special Limits of Error
- -50 to 200°C (-58 to 392°F) Temperature Range

Options
- Fitting Styles
- Protection Heads
- Probe Lengths

The TCS-H-NB9W Series thermocouple probe assemblies are available in standard lengths from 3 to 6”, with an ungrounded thermocouple probe with special limits of error. Standard probes are available in J, K, T and E calibrations. These heavy-duty probes have a 3⁄8” diameter, which steps down to a 3⁄16” diameter at the probe tip, for fast response and additional strength. Standard features include a 1½” 16 AMP Tri-Grip™ fitting, type NB9W white polypropylene protection head with screw cap. Please consult sales for available options, including probe lengths, protection heads and sanitary fitting styles.

To Order Visit newportUS.com/tcs-h-nb9w for Pricing and Details

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Thermocouple Calibration</th>
<th>Sheath Diameter**</th>
<th>Probe Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCS-(*)U-H-0300-D1-NB9W</td>
<td>J, K, T or E</td>
<td>3⁄8”</td>
<td>3”</td>
</tr>
<tr>
<td>TCS-(*)U-H-0400-D1-NB9W</td>
<td>J, K, T or E</td>
<td>3⁄8”</td>
<td>4”</td>
</tr>
<tr>
<td>TCS-(*)U-H-0500-D1-NB9W</td>
<td>J, K, T or E</td>
<td>3⁄8”</td>
<td>5”</td>
</tr>
<tr>
<td>TCS-(*)U-H-0600-D1-NB9W</td>
<td>J, K, T or E</td>
<td>3⁄8”</td>
<td>6”</td>
</tr>
</tbody>
</table>

* Specify calibration: J, K, T or E
** 3⁄8” diameter stepped down to 3⁄16” at the probe tip.

To order with NB15 large stainless steel screw top head, change suffix “NB9W” in model number to “NB15” for an additional cost.

Note: Connection heads provided with nickel plated brass terminal blocks.

For lengths longer than 6”, change “0300” in model number to the required length (12” = 1200, 9¼” = 0925) for an additional cost per additional inch.

Ordering Example: TCS-TU-H-0600-D1-NB9W. Type “T” ungrounded thermocouple, heavy-duty design with 3⁄8” step-down diameter, 6” length, with 1½” 16 AMP flange and NB9W white polypropylene screw cover head.