

Sanitary RTD Assemblies

Spring Loaded Design with Sanitary Thermowell

Visit us Online for Head Mounted Transmitter Options

PRS-TW-NB9W Series

Allows Sensor Removal/Calibration Without Disturbing Your Clean-In-Place System

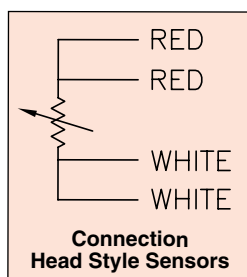
- ✓ Removable Spring Loaded Probe in Well for Good Thermal Response
- ✓ 1½" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting
- ✓ Standard Insertion Lengths of 1⅝", 2½", 4½", 7½", 10½"
- ✓ White Polypropylene Head with Screw Cap Standard, Other Polypropylene and SS Heads Available
- ✓ 316L SS Thermowell 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

¾ NPT conduit connection.

White polypropylene screw cover connection head.

½ x ½ NPT fitting spring loads sensor in thermowell.

316L SS 1½" 16 AMP Tri-Grip™ cap standard.



32 µin Finish

Insertion length

PRS-3-100-A-TW-0250-D1-NB9W, shown smaller than actual size.

Options

- ✓ Fitting Styles
- ✓ RTD Elements
- ✓ Protection Heads

Sensor Flange Size Range ¾ to 4" Tri-Grip™ Process Flange. Visit us Online for Details.

The OMEGA® PRS-TW-NB9W 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, 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					
Model No.	Lead Wire Style	Ω at 0°C	Well Stem Length	Insertion Length	Shank Diameter
PRS-3-100-A-TW-0163-D1-NB9W	4-wire	100	2½"	1⅝"	½"
PRS-3-100-A-TW-0250-D1-NB9W	4-wire	100	4"	2½"	½"
PRS-3-100-A-TW-0450-D1-NB9W	4-wire	100	6"	4½"	¾" step to ½"
PRS-3-100-A-TW-0750-D1-NB9W	4-wire	100	9"	7½"	¾" step to ½"
PRS-3-100-A-TW-1050-D1-NB9W	4-wire	100	12"	10½"	¾" step to ½"

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, and sanitary fitting styles.

Ordering 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.