

Sanitary RTD Assemblies

Standard Duty with Protection Head

¾ NPT conduit

connection.

PRS-S-NB9W Series



CIP and Sanitary Processes

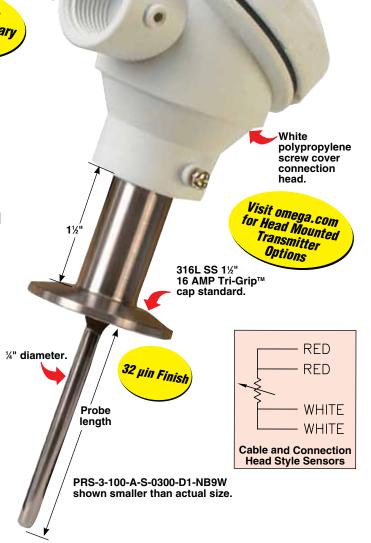
- ✓ Standard Duty ¼" Probe Diameter
- 1½" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting Standard
- White Polypropylene Head with Screw Cap Standard, Optional 316L SS Head Available
- ✓ 316L SS Wetted Surfaces with 32 µin or Better Finish
- 4-Wire Pt100 Class A Element Standard
- -50 to 200°C (-58 to 392°F) Temperature Range

Options

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

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

The OMEGA® PRS-S-NB9W Series RTD probe assemblies are available in standard lengths from 3 to 6", with a 4-wire Pt100 Class A element (100 $\pm 0.06~\Omega$ at 0°C) that is compatible with 3-wire RTD instrumentation. Standard features include a 1% 16 AMP Tri-Grip TM fitting, type NB9W white polypropylene protection head with screw cap. Please consult sales for available options, including element types and curves, probe lengths, protection heads and sanitary fitting styles.



To Order						
Model No.	Lead Wire Style	Ω at 0°C	Sheath Diameter	Probe Length		
PRS-3-100-A-S-0300-D1-NB9W	4-wire	100	1/4"	3"		
PRS-3-100-A-S-0400-D1-NB9W	4-wire	100	1/4"	4"		
PRS-3-100-A-S-0500-D1-NB9W	4-wire	100	1/4"	5"		
PRS-3-100-A-S-0600-D1-NB9W	4-wire	100	1/4"	6"		

Optional protection heads: To order with NB15 large 316 SS head, change model number suffix from "-NB9W" to "-NB15" for 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-S-0400-D1-NB9W, 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy), 1½" 16 AMP Tri-Grip™ fitting, 4" length, standard duty probe, NB9W white polypropylene screw cap protection head.

PRS-3-100-A-S-0400-D1-NB15, 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy), 1½" 16 AMP Tri-Grip™ fitting, 4" length, standard duty probe with NB15 316 SS screw top cap protection head.

Sanitary RTD Assemblies

Heavy-Duty with Protection Head



PRS-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, Optional 316L SS Connection Head Available

316L SS Wetted Surfaces with 32 µin or Better Finish

4-Wire Pt100 Class A Element Standard

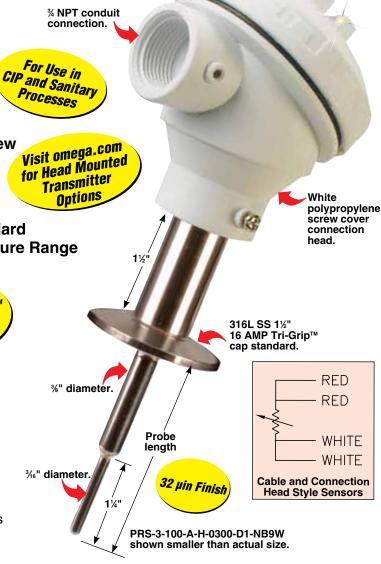
-50 to 200°C (-58 to 392°F) Temperature Range

Options

- Fitting Styles
- Protection Heads
- Probe Lengths
- RTD Elements

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

The OMEGA® PRS-H-NB9W Series RTD probe assemblies are available in standard lengths from 3 to 6", with a 4-wire Pt100 Class A element (100 $\pm 0.06\Omega$ at 0°C) that is compatible with 3-wire RTD instrumentation. These heavy-duty probes have a %" diameter, which steps down to a %6" dia at the probe tip, for fast response and additional strength. Standard features include a 1½" 16 AMP Tri-GripTM fitting, type NB9W white polypropylene protection head with screw cap. Please consult sales for available options, including element types and curves, probe lengths, protection heads and sanitary fitting styles.



To Order						
Model No.	Lead Wire Style	Ω at 0°C	Sheath Diameter	Probe Length		
PRS-3-100-A-H-0300-D1-NB9W	4-wire	100	3%"	3"		
PRS-3-100-A-H-0400-D1-NB9W	4-wire	100	3%"	4"		
PRS-3-100-A-H-0500-D1-NB9W	4-wire	100	3/8"	5"		
PRS-3-100-A-H-0600-D1-NB9W	4-wire	100	3/8"	6"		

Optional protection heads: To order with **NB15** large 316 SS head, change model number suffix from "-**NB9W**" to "-**NB15**" for 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-H-0400-D1-NB9W, 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy), 1½" 16 AMP Tri-Grip™ fitting, 4" length, heavy-duty probe, NB9W white polypropylene screw cap protection head.

PRS-3-100-A-H-0400-D1-NB15, 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy), 1½" 16 AMP Tri-Grip™ fitting, 6" length, heavy-duty probe, **NB15** 316 SS screw cap protection head.