

Sanitary Thermistor Assemblies

Heavy-Duty with Protection Head

THS-H-NB9W Series



**For Use in
CIP and Sanitary
Processes**

- ✓ 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
- ✓ 10k Thermistor Element (44006) Standard
- ✓ -80 to 150°C (-112 to 302°F) Temperature Range

Options

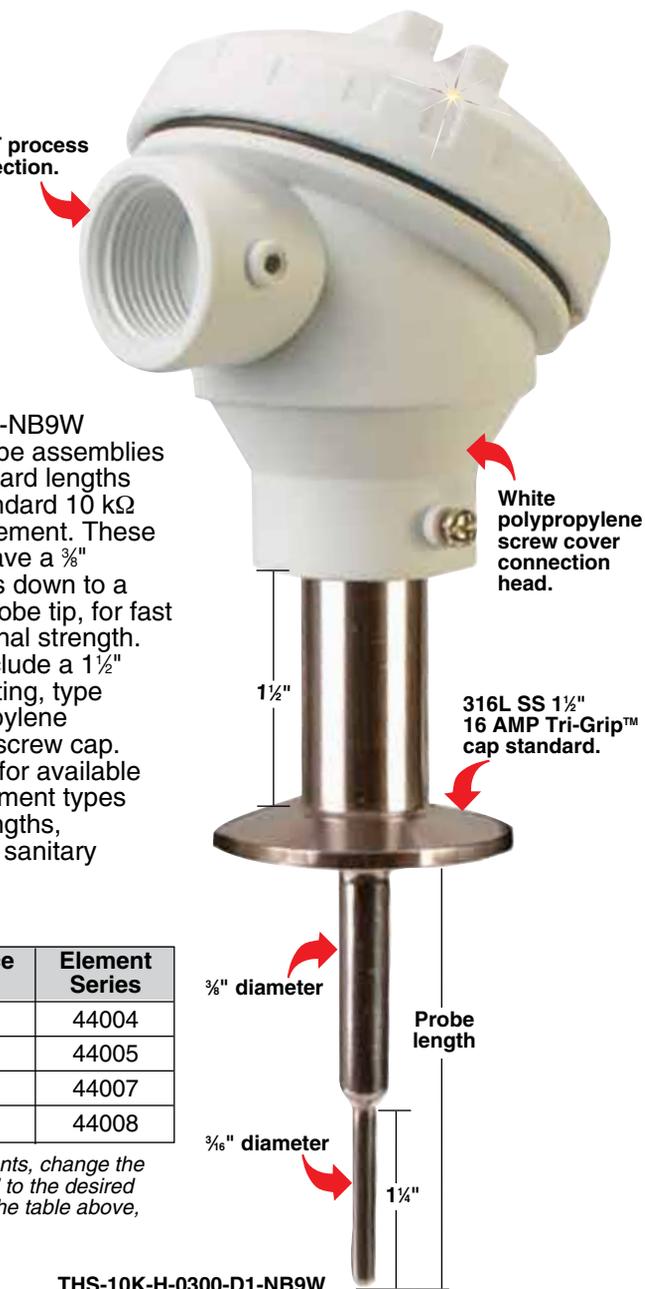
- ✓ Fitting Styles
- ✓ Protection Heads
- ✓ Probe Lengths
- ✓ Thermistor Elements

The OMEGA® THS-H-NB9W Series thermistor probe assemblies are available in standard lengths from 3 to 6", with standard 10 kΩ (44006) thermistor element. These heavy-duty probes have a ¾" diameter, which steps down to a ⅝" 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 element types and curves, probe lengths, protection heads and sanitary fitting styles.

Element Options

Sensor Code	Resistance @ 25°C	Element Series
2K	2252 Ω	44004
3K	3000 Ω	44005
5K	5000 Ω	44007
30K	30,000 Ω	44008

For other thermistor elements, change the model number from "10K" to the desired sensor code as shown in the table above, no additional cost.



THS-10K-H-0300-D1-NB9W shown smaller than actual size.

To Order					
Model Number	Resistance at 25°C	Element Series	Interchangeability (0 to 70°C)	Sheath Diameter	Probe Length
THS-10K-H-0300-D1-NB9W	10,000 Ω	44006	±0.2°C	¼"	3"
THS-10K-H-0400-D1-NB9W	10,000 Ω	44006	±0.2°C	¼"	4"
THS-10K-H-0500-D1-NB9W	10,000 Ω	44006	±0.2°C	¼"	5"
THS-10K-H-0600-D1-NB9W	10,000 Ω	44006	±0.2°C	¼"	6"

For lengths longer than 6", change "0600" in model number to the required length (eg, 12" = 1200, 9¼" = 0925) for an additional cost.

To order with NB15 large 316 SS head, change model number suffix from "-NB9W" to "-NB15" for an additional cost.

Ordering Example: THS-10K-H-0400-D1-NB9W, 10,000 Ω thermistor sensor, 1½" 16 A Tri-Grip™ fitting, 4" length, heavy duty probe, NB9W white polypropylene screw cap protection head.

Sanitary Thermistor Assemblies

Standard Duty with Protection Head

THS-S-NB9W Series



**For Use in
CIP and Sanitary
Processes**

- ✓ Standard Duty 1/4" Probe Diameter
- ✓ 1 1/2" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting Standard
- ✓ White Polypropylene Head with Screw Cap Standard
- ✓ 316L SS Wetted Surfaces with 32 µm or Better Finish
- ✓ 10k Thermistor Element (44006) Standard
- ✓ -80 to 150°C (-112 to 302°F) Temperature Range

Options

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

The OMEGA® THS-S-NB9W Series thermistor probe assemblies are available in standard lengths from 3 to 6", with standard 10 kΩ (44006) thermistor element. Standard features include a 1 1/2" 16 AMP Tri-Grip™ 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.

Element Options

Sensor Code	Resistance @ 25°C	Element Series
2K	2252 Ω	44004
3K	3000 Ω	44005
5K	5000 Ω	44007
30K	30,000 Ω	44008

For other thermistor elements, change the model number from "10K" to the desired sensor code as shown in the table above, no additional cost.

**32 µm
Finish**

3/4" NPT process connection.

White polypropylene screw cover connection head.

316L SS 1 1/2" 16 AMP Tri-Grip™ cap standard.

1 1/2"

1/4" diameter.

Probe length

THS-10K-S-0300-D1-NB9W shown smaller than actual size.

To Order

Model Number	Resistance at 25°C	Element Series	Interchangeability (0 to 70°C)	Sheath Diameter	Probe Length
THS-10K-S-0300-D1-NB9W	10,000 Ω	44006	±0.2°C	1/4"	3"
THS-10K-S-0400-D1-NB9W	10,000 Ω	44006	±0.2°C	1/4"	4"
THS-10K-S-0500-D1-NB9W	10,000 Ω	44006	±0.2°C	1/4"	5"
THS-10K-S-0600-D1-NB9W	10,000 Ω	44006	±0.2°C	1/4"	6"

For lengths longer than 6", change "0600" in model number to the required length (eg, 12" = 1200, 9 1/4" = 0925) for an additional cost.

To order with NB15 large 316 SS protection head, change model number suffix from "-NB9W" to "-NB15" for an additional cost.

Ordering Example: THS-10K-S-0400-D1-NB9W, 10,000 Ω thermistor sensor, 1 1/2" 16 A Tri-Grip™ fitting, 4" length, standard duty probe, NB9W white polypropylene screw cap protection head.