

# 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

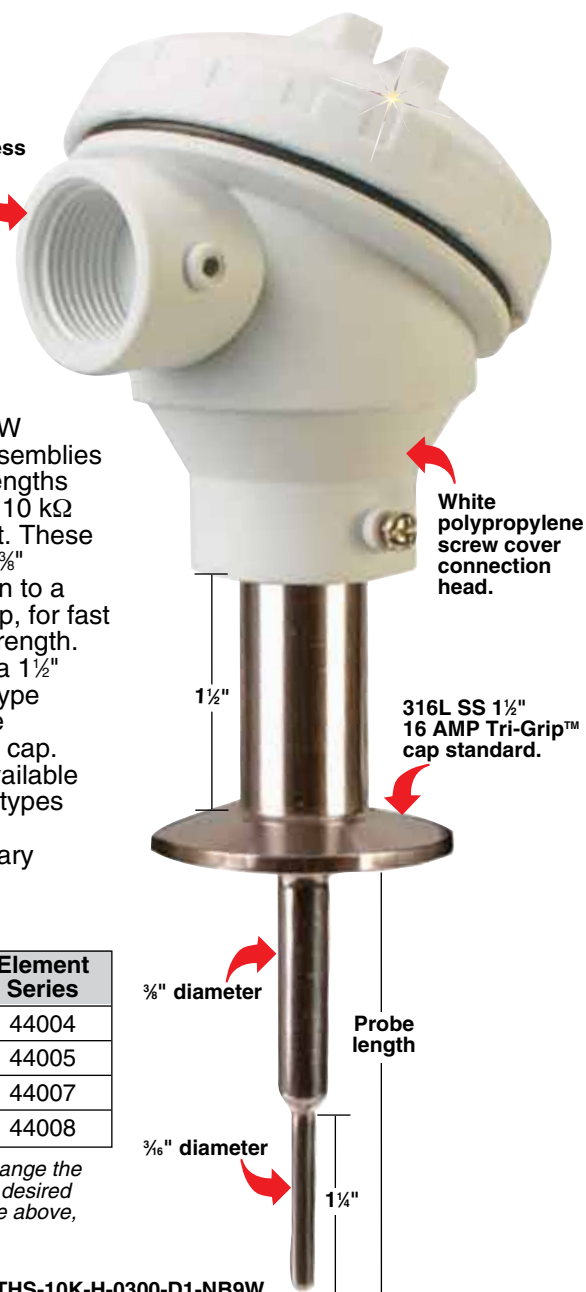
The OMEGA® THS-H-NB9W Series thermistor probe assemblies are available in standard lengths from 3 to 6", with standard 10 kΩ (44006) thermistor element. These heavy-duty probes have a ¾" diameter, which steps down to a ⅝" diameter at the probe tip, for fast response and additional strength. Standard 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 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-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 µin  
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"

Probe length

1/4" diameter.

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.