



# Sanitary Thermocouple Assemblies

## Standard Duty With Protection Head

### TCS-S-NB9W Series



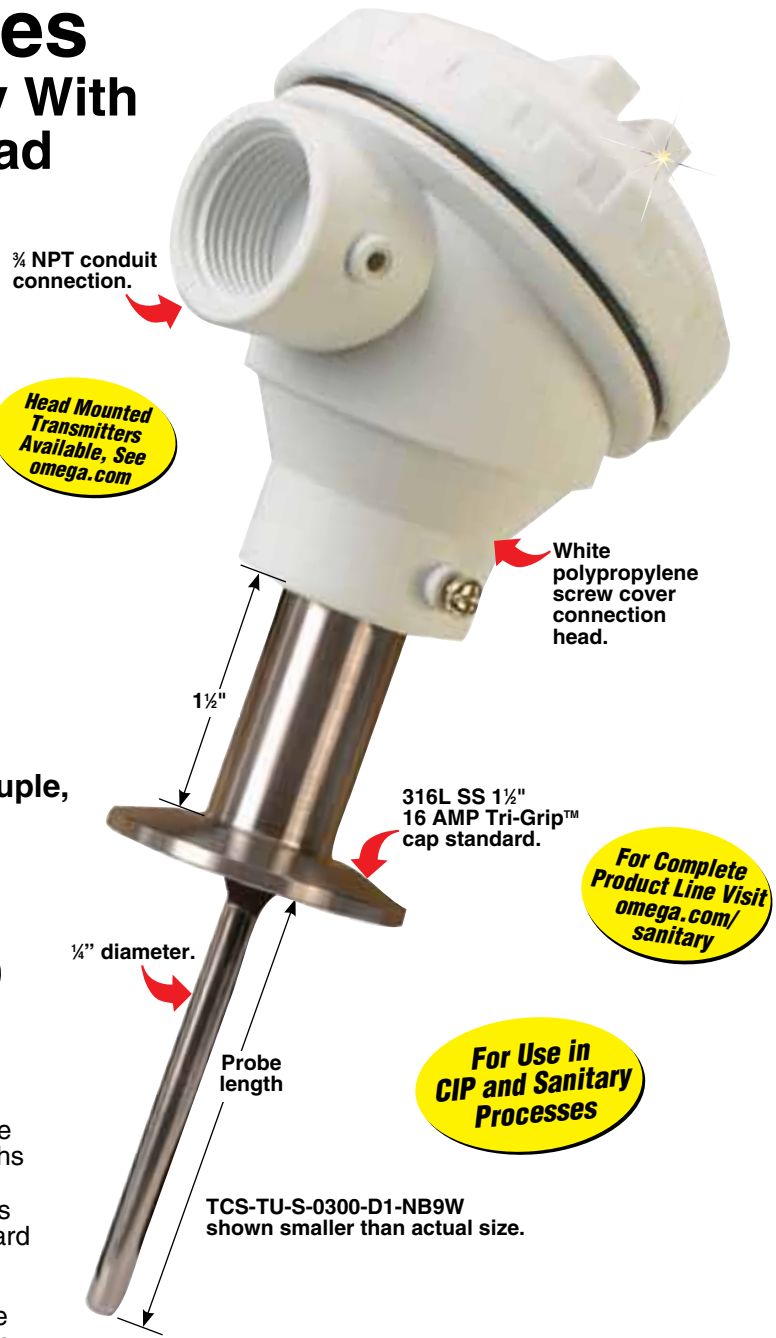
- ✓ Standard Duty 1/4" Probe Diameter
- ✓ 1 1/2" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting Standard
- ✓ White Polypropylene Head with Screw Cap Standard
- ✓ 316L SS Wetted Surfaces with 32 µin or Better Finish
- ✓ Ungrounded J, K, T or E Thermocouple, Special Limits of Error
- ✓ -50 to 200°C (-58 to 392°F) Temperature Range

#### Options

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

See [omega.com](http://omega.com) for Additional Flange Sizes

The OMEGA® 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 1 1/2" 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.



For Complete Product Line Visit [omega.com/sanitary](http://omega.com/sanitary)

For Use in CIP and Sanitary Processes

### To Order Visit [omega.com/tcs-h-nb9w](http://omega.com/tcs-h-nb9w) for Pricing and Details

Model No.	Thermocouple Calibration	Sheath Diameter	Probe Length
TCS-(*)U-S-0300-D1-NB9W	J, K, T or E	1/4"	3"
TCS-(*)U-S-0400-D1-NB9W	J, K, T or E	1/4"	4"
TCS-(*)U-S-0500-D1-NB9W	J, K, T or E	1/4"	5"
TCS-(*)U-S-0600-D1-NB9W	J, K, T or E	1/4"	6"

\* 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, 9 1/4" = 0925) for an additional cost per additional inch.

**Ordering Example:** TCS-TU-S-0600-D1-NB9W, Type "T" ungrounded thermocouple, 1/4" diameter, 6" length, with 1 1/2" 16 AMP flange and NB9W white polypropylene screw cover head.



# Sanitary Thermocouple Assemblies

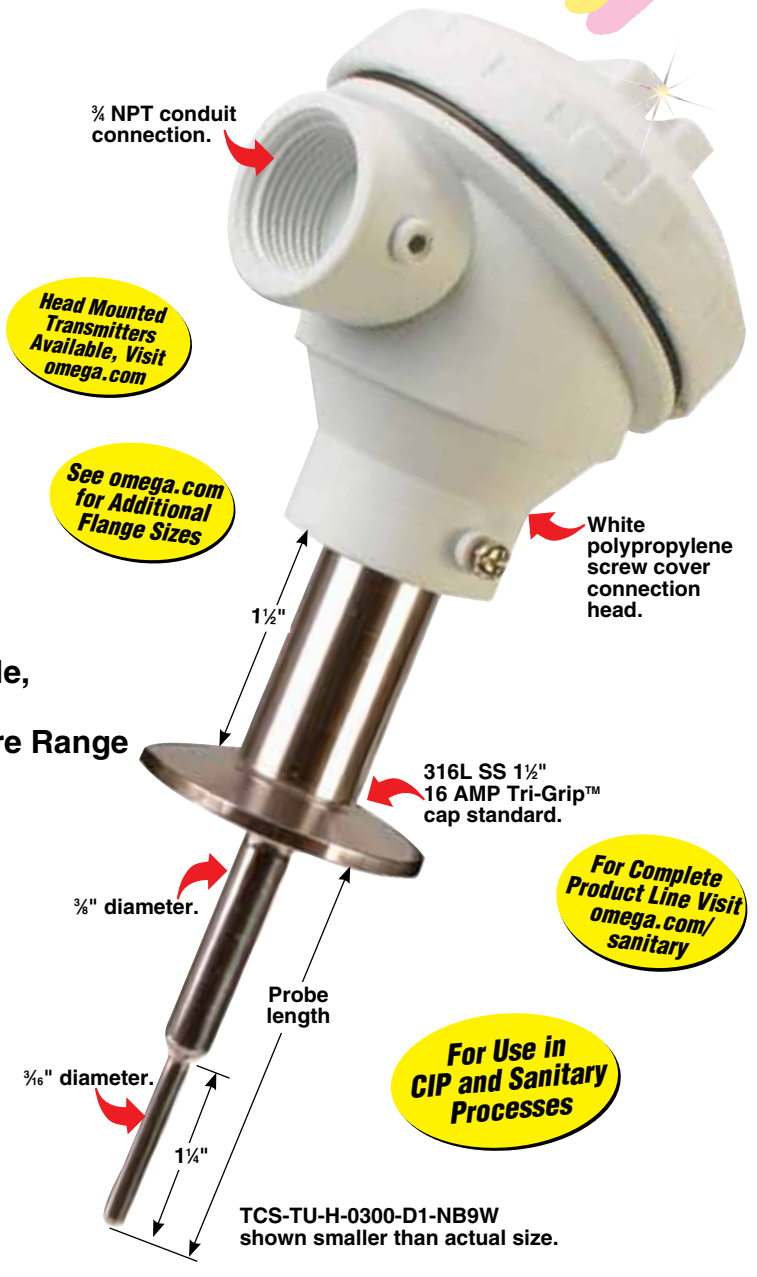
## Heavy-Duty With Protection Head

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 OMEGA® 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 [omega.com/tcs-h-nb9w](http://omega.com/tcs-h-nb9w) for Pricing and Details**

Model No.	Thermocouple Calibration	Sheath Diameter**	Probe Length
TCS-(*)U-H-0300-D1-NB9W	J, K, T or E	3/8"	3"
TCS-(*)U-H-0400-D1-NB9W	J, K, T or E	3/8"	4"
TCS-(*)U-H-0500-D1-NB9W	J, K, T or E	3/8"	5"
TCS-(*)U-H-0600-D1-NB9W	J, K, T or E	3/8"	6"

\* 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.