

Sanitary Thermistor Probes

Heavy-Duty, With M12 Connector



THS-H-M12 Series



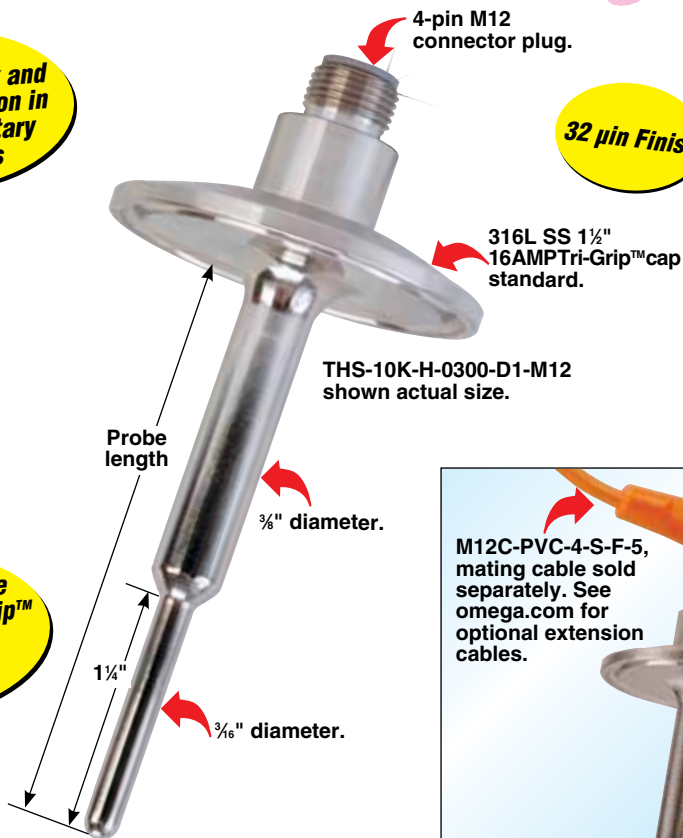
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Provides Quick and Easy Installation in CIP and Sanitary Processes

32 μ m Finish

- ✓ Heavy-Duty Probe Design with Stepped Probe Stem for Additional Strength
- ✓ 1½" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting Standard
- ✓ 4-Pin M12 Male Connector Standard
- ✓ 316L SS Wetted Surfaces with 32 μ m or Better Finish
- ✓ 10k Thermistor Element (44006) Standard
- ✓ -80 to 150°C (-112 to 302°F) Temperature Range

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



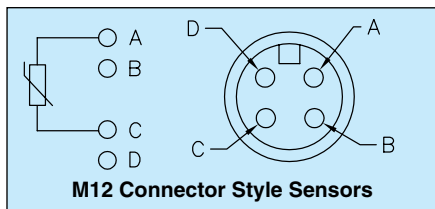
THS-10K-H-0300-D1-M12 shown actual size.



M12C-PVC-4-S-F-5, mating cable sold separately. See omega.com for optional extension cables.

Options

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



The OMEGA® THS-H-M12 Series thermistor probe assemblies are available in standard lengths from 3 to 6", with standard 10 k Ω (44006) thermistor element. These heavy-duty probes have a ¾" diameter, which steps down to a ⅜" diameter at the probe tip, for fast response and additional strength. Standard features include a 1½" 16 AMP Tri-Grip™ fitting and a 4-pin M12 male connector termination. 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.

To Order Visit omega.com/ths-h-m12 for Pricing and Details

Model Number	Resistance at 25°C	Element Series	Interchangeability (0 to 70°C)	Sheath Diameter	Probe Length
THS-10K-H-0300-D1-M12	10,000 Ω	44006	$\pm 0.2^\circ\text{C}$	¼"	3"
THS-10K-H-0400-D1-M12	10,000 Ω	44006	$\pm 0.2^\circ\text{C}$	¼"	4"
THS-10K-H-0500-D1-M12	10,000 Ω	44006	$\pm 0.2^\circ\text{C}$	¼"	5"
THS-10K-H-0600-D1-M12	10,000 Ω	44006	$\pm 0.2^\circ\text{C}$	¼"	6"

See omega.com for M12C series cables with M12 connectors.

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

Ordering Example: THS-10K-H-0400-D1-M12, 10,000 Ω thermistor sensor, 1½" 16 AMP Tri-Grip™ fitting, 4" length, heavy-duty probe, M12 style male connector.



Sanitary Thermistor Probes

Standard Duty with M12 Connector

THS-S-M12 Series



Provides Quick and Easy Installation in CIP and Sanitary Processes

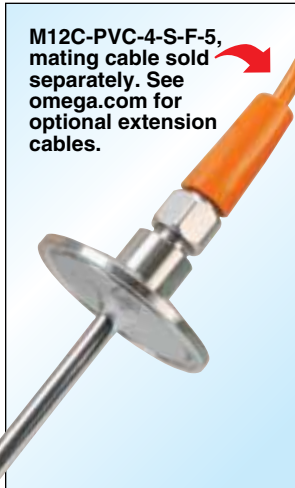
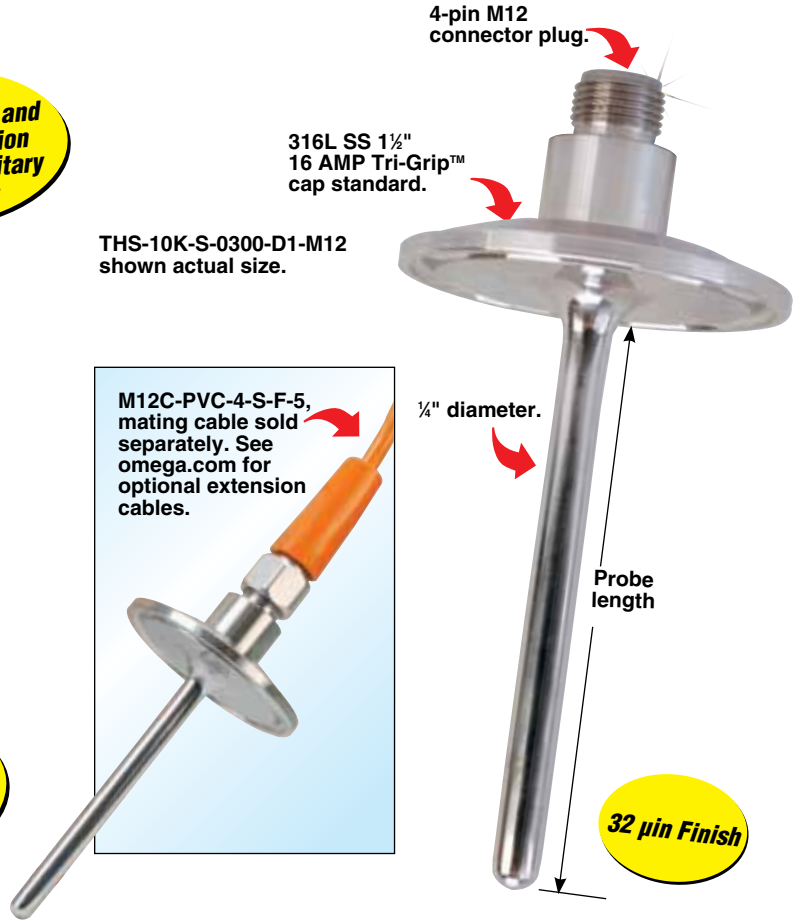
- ✓ Standard Duty 1/4" Probe Diameter
- ✓ 1 1/2" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting Standard
- ✓ 4-Pin M12 Male Connector Standard
- ✓ 316L SS Wetted Surfaces with 32 μin or Better Finish
- ✓ 10k Thermistor Element (44006) Standard
- ✓ -80 to 150°C (-112 to 302°F) Temperature Range

Options

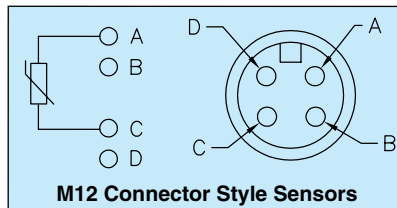
- ✓ Fitting Styles
- ✓ Probe Lengths
- ✓ Thermistor Elements

Sensor Flange Size Range 3/4" to 4" Tri-Grip™ Process Flange. See omega.com for Details

THS-10K-S-0300-D1-M12 shown actual size.



The OMEGA® THS-S-M12 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 and a 4-pin M12 male connector termination. 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.

To Order Visit omega.com/ths-h-m12 for Pricing and Details

Model Number	Resistance at 25°C	Element Series	Interchangeability (0 to 70°C)	Sheath Diameter	Probe Length
THS-10K-S-0300-D1-M12	10,000 Ω	44006	±0.2°C	1/4"	3"
THS-10K-S-0400-D1-M12	10,000 Ω	44006	±0.2°C	1/4"	4"
THS-10K-S-0500-D1-M12	10,000 Ω	44006	±0.2°C	1/4"	5"
THS-10K-S-0600-D1-M12	10,000 Ω	44006	±0.2°C	1/4"	6"

See omega.com for M12C series cables with M12 connectors.

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

Ordering Example: THS-10K-S-0400-D1-M12, 10,000 Ω thermistor sensor, 1 1/2" 16 AMP Tri-Grip™ fitting, 4" length, standard duty probe, M12 style male connector.

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