



# SANITARY TEMPERATURE SENSORS

## Sanitary RTD Assemblies Spring Loaded Design with Sanitary Thermowell

Allows Sensor  
Removal/Calibration  
Without Disturbing  
Your Clean-In-Place  
System

### PRS-TW-M12 Series

- ✓ Removable Spring Loaded Probe in Well for Good Thermal Response
- ✓ 1½" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting
- ✓ Standard Insertion Lengths of 1½", 2½", 4½", 7½", 10½"
- ✓ 4-Wire M12 Male Connector
- ✓ 316L SS Thermowell with 32 µin or Better Finish on Wetted Parts
- ✓ 4-Wire Pt100 Class A Element Standard
- ✓ -50 to 200°C (-58 to 392°F) Temperature Range

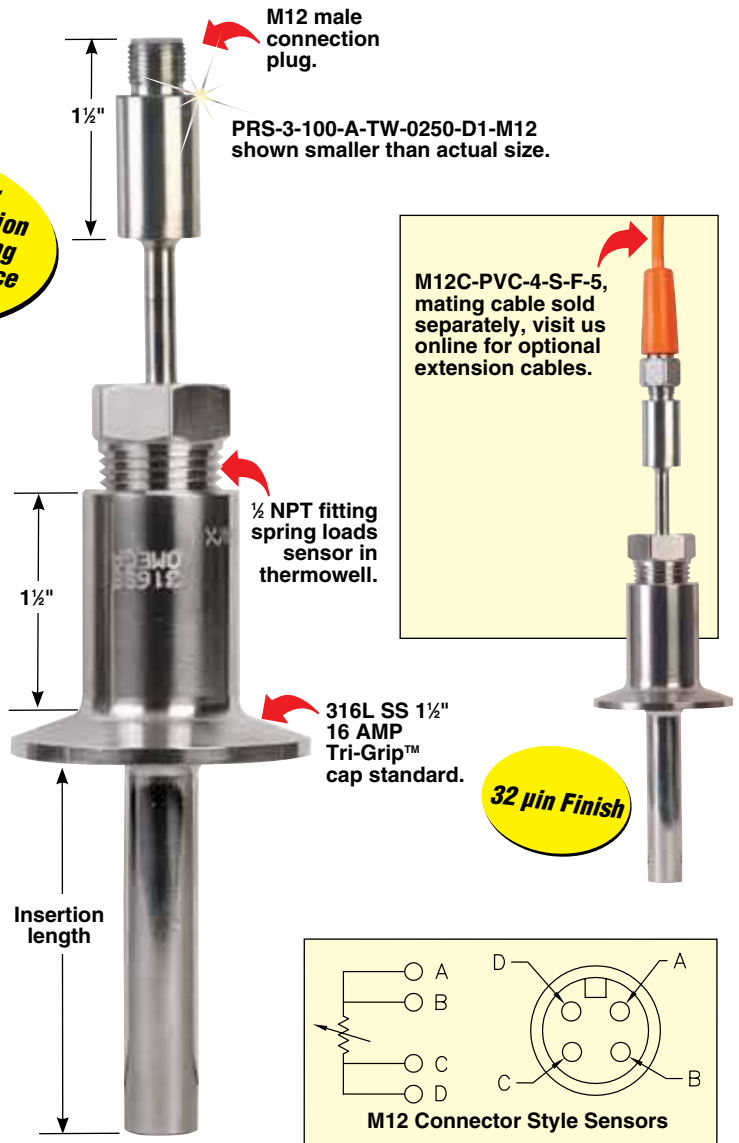
#### Options

- ✓ Fitting Styles
- ✓ RTD Elements

Sensor Flange Size  
Range ¾" to 4" Tri-Grip™  
Process Flange.  
See Page 5 or Visit us  
online for Details

The OMEGA® PRS-TW-M12 series RTD probes are spring loaded into a sanitary thermowell, with a ½" x ½" NPT fitting for easy removal. These probes feature a 4-wire Pt100 Class A element (100 ±0.06 Ω at 0°C) that is compatible with 3-wire RTD instrumentation.

Please consult sales for available options, including element types and curves, probe lengths, and sanitary fitting styles.



Standard well features include a 0.5" dia. stem (0.75" stepped down for insertion lengths over 2.5") stem with a 0.260" bore diameter. See the S-260 series thermowells, visit us online for complete well dimensions.

## To Order

Model No.	Lead Wire Style	Ω at 0°C	Well Stem Length	Insertion Length	Shank Diameter
PRS-3-100-A-TW-0163-D1-M12	4-wire	100	2½"	1⅝"	½"
PRS-3-100-A-TW-0250-D1-M12	4-wire	100	4"	2½"	½"
PRS-3-100-A-TW-0450-D1-M12	4-wire	100	6"	4½"	¾" step to ½"
PRS-3-100-A-TW-0750-D1-M12	4-wire	100	9"	7½"	¾" step to ½"
PRS-3-100-A-TW-1050-D1-M12	4-wire	100	12"	10½"	¾" step to ½"

Visit [omega.com/m12c](http://omega.com/m12c) for M12C series cables with M12 connectors. Please consult sales for available options, including element types and curves, probe lengths, and sanitary fitting styles.

**Ordering Examples:** PRS-3-100-A-TW-0450-D1-M12 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy) M12 4-wire male connector, spring loaded in a 1½" 16 AMP fitting thermowell with 6" stem length/4½" insertion length.

PRS-3-100-A-TW-0750-D1-M12 4-wire Pt100 RTD sensor (100 Ω @ 0°C, Class A accuracy) M12 4-wire male connector, spring loaded in a 1½" 16 AMP fitting thermowell with 9" stem length/7½" insertion length.