



# Sanitary RTD probes

## Standard Duty with Integral Cable

PRS-S-CB-120 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
- ✓ 10' PFA Insulated Cable with Strain Relief
- ✓ 316L SS Wetted Surfaces 32 µin or Better Finish
- ✓ 4-Wire Pt100 Class A Element Standard
- ✓ -50 to 200°C (-58 to 392°F) Temperature Range

### Options

- ✓ Fitting Styles
- ✓ Probe Lengths
- ✓ RTD Elements
- ✓ Cable Lengths

**Sensor Flange Size  
Range 1/2" to 4" Tri-Grip™  
Process Flange.  
Visit Us Online for  
Details.**

**32 µin Finish**

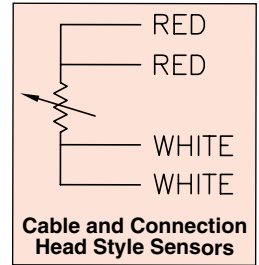
1/4" diameter.

Probe length

120" of 4-conductor #26 AWG stranded nickel plated copper, PFA insulated and jacketed cable standard.

Integral cable with nylon cable clamp.

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



PRS-3-100-A-S-0300-D1-CB-120 shown actual size.

The OMEGA® PRS-S-CB-120 series RTD probes are available in standard lengths from 3 to 6", with a 4-wire Pt100 Class A element ( $100 \pm 0.06 \Omega$  at 0°C) that is compatible with 3-wire RTD instrumentation. Standard features include a 1 1/2" 16 AMP Tri-Grip™ fitting and 10 ft of PFA insulated and jacketed cable with strain relief. Please consult sales for available options, including element types and curves, probe and cable lengths, and sanitary fitting styles.

### To Order

Model No.	Lead Wire Style	$\Omega$ at 0°C	Sheath Diameter	Probe Length
PRS-3-100-A-S-0300-D1-CB-120	4-wire	100	1/4"	3"
PRS-3-100-A-S-0400-D1-CB-120	4-wire	100	1/4"	4"
PRS-3-100-A-S-0500-D1-CB-120	4-wire	100	1/4"	5"
PRS-3-100-A-S-0600-D1-CB-120	4-wire	100	1/4"	6"

To order with longer cable lengths, change model number suffix from "-120" to desired length in inches for an additional cost per foot.

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

**Ordering Examples:** PRS-3-100-A-S-0400-D1-CB-120, 4-wire Pt100 RTD sensor (100  $\Omega$  @ 0°C, Class A accuracy), 1 1/2" 16 AMP Tri-Grip™ fitting, 4" length, standard duty probe, 120 in (10') PFA insulated/jacketed cable.

PRS-3-100-A-S-0400-D1-CB-144, 4-wire Pt100 RTD sensor (100  $\Omega$  @ 0°C, Class A accuracy), 1 1/2" 16 AMP Tri-Grip™ fitting, 4" length, standard duty probe, 144 in (12') PFA insulated/jacketed cable.

# Sanitary RTD Probes

## Heavy-Duty with Integral Cable



PRS-H-CB-120 Series

**For Use in  
CIP and Sanitary  
Processes**

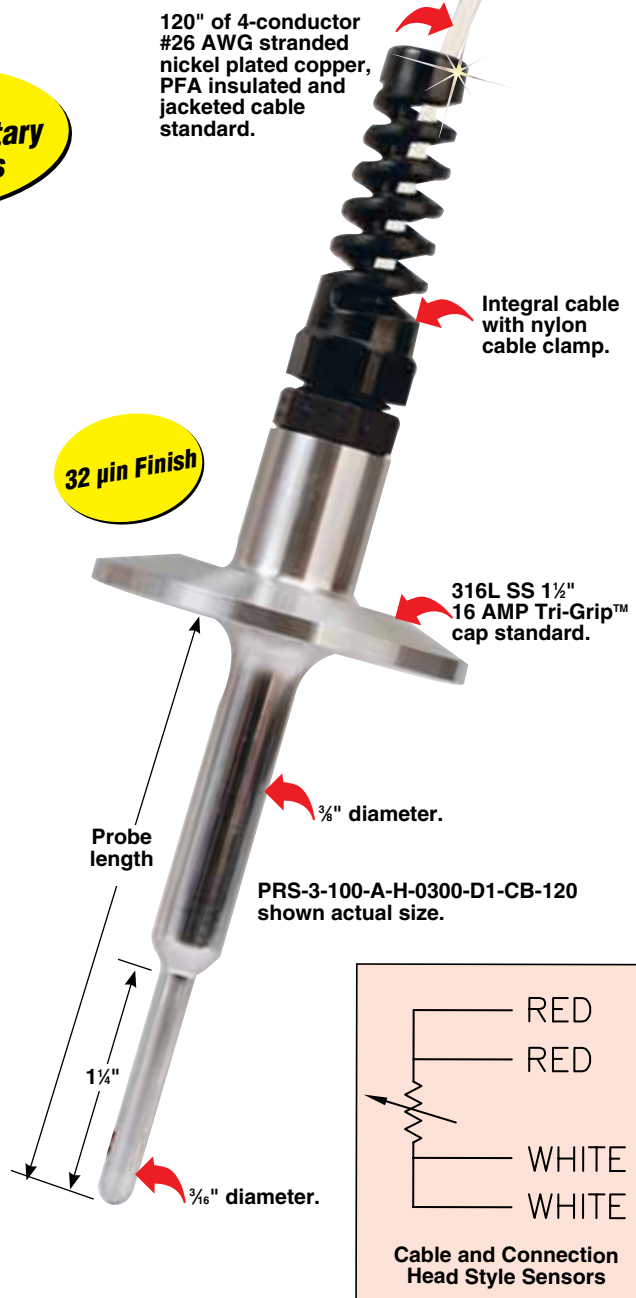
- ✓ Heavy-Duty Probe Design With Stepped Probe Stem for Additional Strength
- ✓ 1½" 16 AMP Tri-Grip™ (Tri-Clamp® Compatible) Fitting Standard
- ✓ 120" (10') PFA Insulated Cable with Strain Relief
- ✓ 316L SS Wetted Surfaces with 32 µin or Better Finish
- ✓ 4-Wire Pt100 Class A Element Standard
- ✓ -50 to 200°C (-58 to 392°F) Temperature Range

### Options

- ✓ Fitting Styles
- ✓ Probe Lengths
- ✓ RTD Elements
- ✓ Cable Lengths

**Sensor Flange Size  
Range ¾ to 4" Tri-Grip™  
Process Flange.  
Visit Us Online for  
Details.**

The OMEGA® PRS-H-CB-120 Series RTD probes are available in standard lengths from 3 to 6", with a 4-wire Pt100 Class A element ( $100 \pm 0.06\Omega$  at  $0^\circ\text{C}$ ) that is compatible with 3-wire RTD instrumentation. 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 120" (10') of PFA insulated and jacketed cable with strain relief. Please consult sales for available options, including element types and curves, probe and cable lengths, and sanitary fitting styles.



To Order				
Model No.	Lead Wire Style	Ω At 0°C	Sheath Diameter	Probe Length
PRS-3-100-A-H-0300-D1-CB-120	4-wire	100	⅜"	3"
PRS-3-100-A-H-0400-D1-CB-120	4-wire	100	⅜"	4"
PRS-3-100-A-H-0500-D1-CB-120	4-wire	100	⅜"	5"
PRS-3-100-A-H-0600-D1-CB-120	4-wire	100	⅜"	6"

To order with longer cable lengths, change model number suffix from "-120" to desired length in inches, for an additional cost per foot. Please consult sales for available options, including element types and curves, probe lengths, and sanitary fitting styles.

**Ordering Examples:** PRS-3-100-A-H-0400-D1-CB-120, 4-wire Pt100 RTD sensor ( $100 \Omega$  @  $0^\circ\text{C}$ , Class A accuracy), 1½" 16 AMP Tri-Grip™ fitting, 4" length, heavy-duty probe, 120" (10') PFA insulated/jacketed cable.

PRS-3-100-A-H-0400-D1-CB-144, 4-wire Pt100 RTD sensor ( $100 \Omega$  @  $0^\circ\text{C}$ , Class A accuracy), 1½" 16 AMP Tri-Grip™ fitting, 4" length, heavy-duty probe, 144" (12') PFA insulated/jacketed cable.