

# RTD Temperature Sensors With Micro-DIN Connectors



## PR-24 Series



- ✓ IP65 Rated
- ✓ 316 Stainless Steel
- ✓ Rugged Mineral Insulated Construction
- ✓ Pt100 and Pt1000 Options Available
- ✓ High Accuracy, with Pt100 Class A, 4-Wire Construction as Standard
- ✓ Maximum Temperature: 500°C Process, 125°C Connector
- ✓ Minimum Temperature: -50°C Process, -30°C Connector
- ✓ Pressure Rating: 150 Bar
- ✓ Any Sheath Length Available  
- See Note Below "To Order" Table.

Omega's PR-24 Series RTD probes feature industry standard micro-DIN connectors for ease of installation and fast replacement.

The IP65 rated connector with an all stainless steel sheath and integral thread construction is ideally suited for use in demanding industrial environments.

Standard process threads are G $\frac{1}{4}$ ", G $\frac{1}{2}$ ",  $\frac{1}{4}$ " NPT and  $\frac{1}{2}$ " NPT other threads are available on request.



**AVAILABLE FOR FAST DELIVERY!**

### To Order (Specify Model Number)

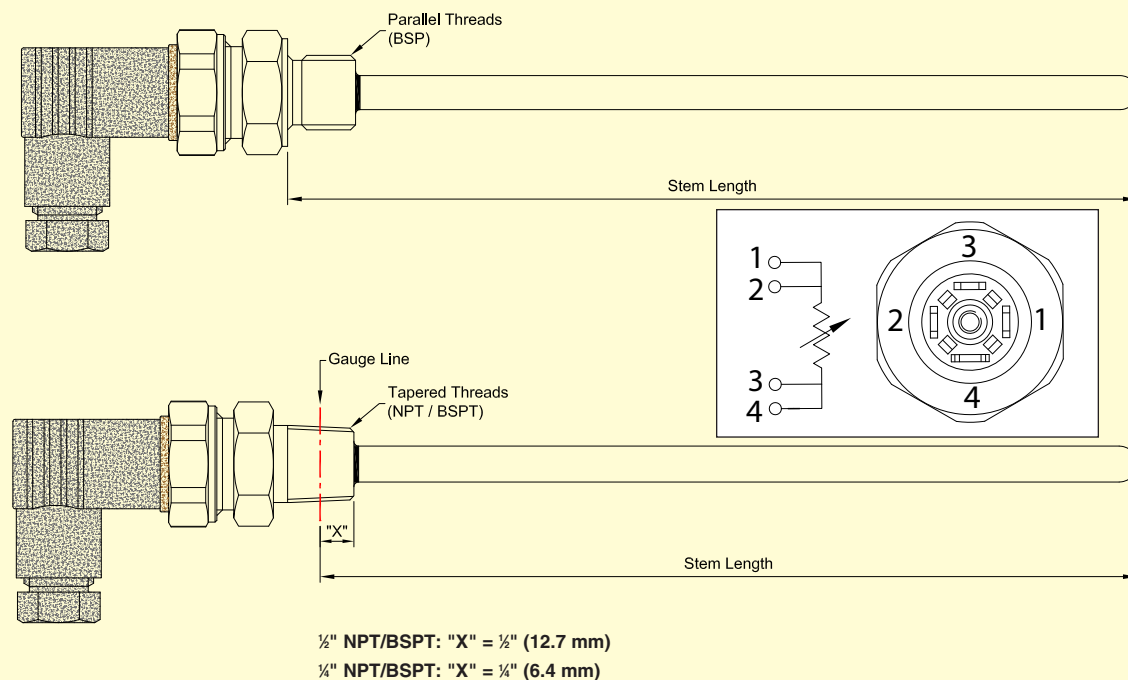
Model No.	Description
PR-24-3-100-A-G1/4-6-150	Pt100 4-wire Class A Probe. 6mm dia, 150mm Long, G $\frac{1}{4}$ " Thread with Copper Sealing Washer
PR-24-3-100-A-G1/4-3-150	Pt100 4-wire Class A Probe. 3mm dia, 150mm Long, G $\frac{1}{4}$ " Thread with Copper Sealing Washer
PR-24-3-100-A-G1/2-6-150	Pt100 4-wire Class A Probe. 6mm dia, 150mm Long, G $\frac{1}{2}$ " Thread with Copper Sealing Washer
PR-24-3-100-A-G1/2-3-150	Pt100 4-wire Class A Probe. 3mm dia, 150mm Long, G $\frac{1}{2}$ " Thread with Copper Sealing Washer
PR-24-3-100-A-1/4-1/4-6	Pt100 4-wire Class A Probe. $\frac{1}{4}$ " dia, 6" Long, $\frac{1}{4}$ " NPT Thread
PR-24-3-100-A-1/4-1/8-6	Pt100 4-wire Class A Probe. $\frac{1}{8}$ " dia, 6" Long, $\frac{1}{4}$ " NPT Thread
PR-24-3-100-A-1/2-1/4-6	Pt100 4-wire Class A Probe. $\frac{1}{4}$ " dia, 6" Long, $\frac{1}{2}$ " NPT Thread
PR-24-3-100-A-1/2-1/8-6	Pt100 4-wire Class A Probe. $\frac{1}{8}$ " dia, 6" Long, $\frac{1}{2}$ " NPT Thread
PR-24-3-100-A-G1/4	Pt100 4-wire Class A Pipe Plug Probe with G $\frac{1}{4}$ Thread with Copper Sealing Washer
PR-24-3-100-A-1/2	Pt100 4-wire Class A Pipe Plug Probe with $\frac{1}{2}$ " NPT Thread

**Note:** To order non-standard lengths change "6" or "150" in part number to length required in inches or mm respectively. Shorter lengths, no additional charge. Longer lengths call our sales team.

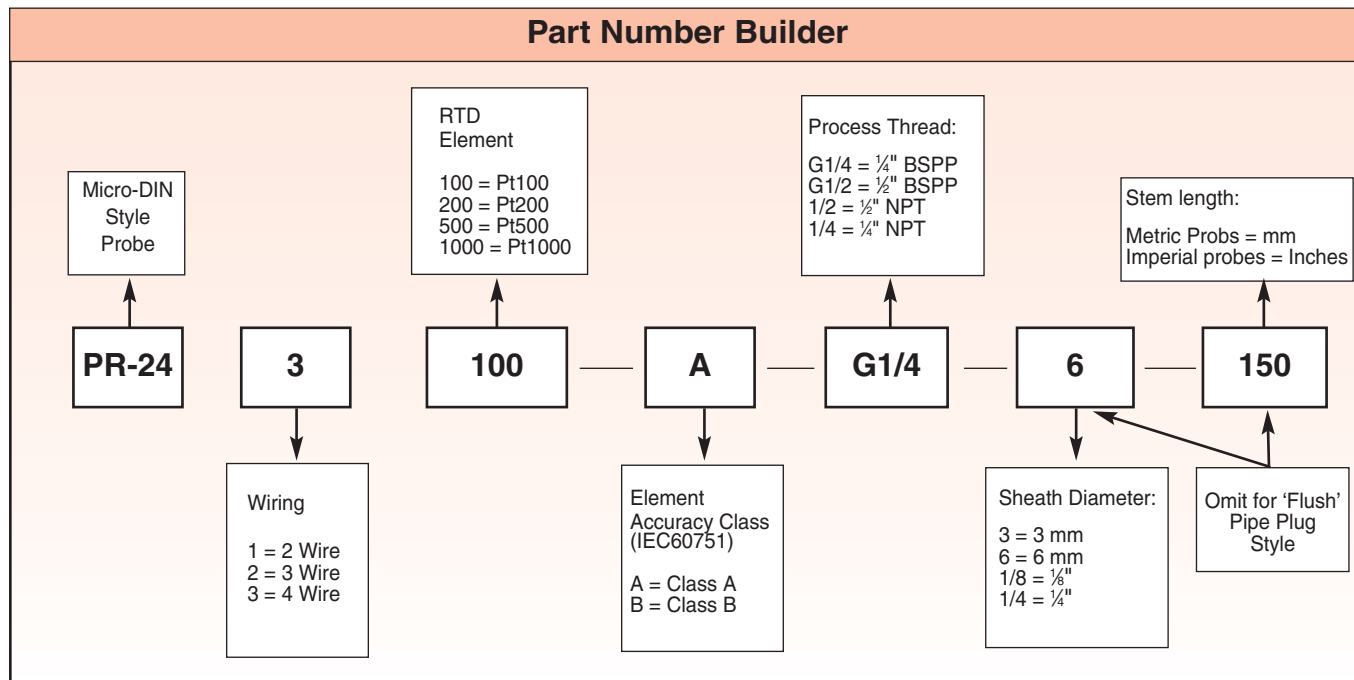
Accessories	Description
PR-24-CON-5M	Pre-Wired Micro DIN Connector with 5 Metres of 4-Core PVC Insulated Wire
PR-24-CON-10M	Pre-Wired Micro DIN Connector with 10 Metres of 4-Core PVC Insulated Wire
CSW-1/4	Copper Sealing Washer for G $\frac{1}{4}$ " Threads
CSW-1/2	Copper Sealing Washer for G $\frac{1}{2}$ " Threads
EXTT-4CUI-24S-15M	4-Core Extension Cable, 7 Strands 0.2mm. PFA Insulated. 15 metres

PR-24 probes are supplied complete with micro-DIN mating connector with screw terminals for wire connection up to 0.34 mm<sup>2</sup>.

**Ordering Example:** **PR-24-3-100-A-G1/4-6-150**, Pt100 class A, 4 wire probe with G $\frac{1}{4}$  process thread and micro-DIN connector, 6 mm diameter, 150 mm long stainless steel sheath. **CSW-14**, copper sealing washer. **EXTT-4CUI-24S-30M**, RTD 4-core extension cable, 2 red, 2 white. 7 strands 0.03 mm<sup>2</sup> conductors, 30 metre reel.



### Part Number Builder



# omega.co.uk®

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

**www.omega.co.uk**



#### UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

#### CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

#### GERMANY

[www.omega.de](http://www.omega.de)

Deckenpfronn, Germany  
0800-8266342

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488  
+44-(0)161-777-6611

#### FRANCE

[www.omega.fr](http://www.omega.fr)

0800-466-342

#### BENELUX

[www.omega.nl](http://www.omega.nl)

0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

### • Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers, Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### • Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters