

Platinum RTD Probes

Spring Loaded for Use in Thermowells



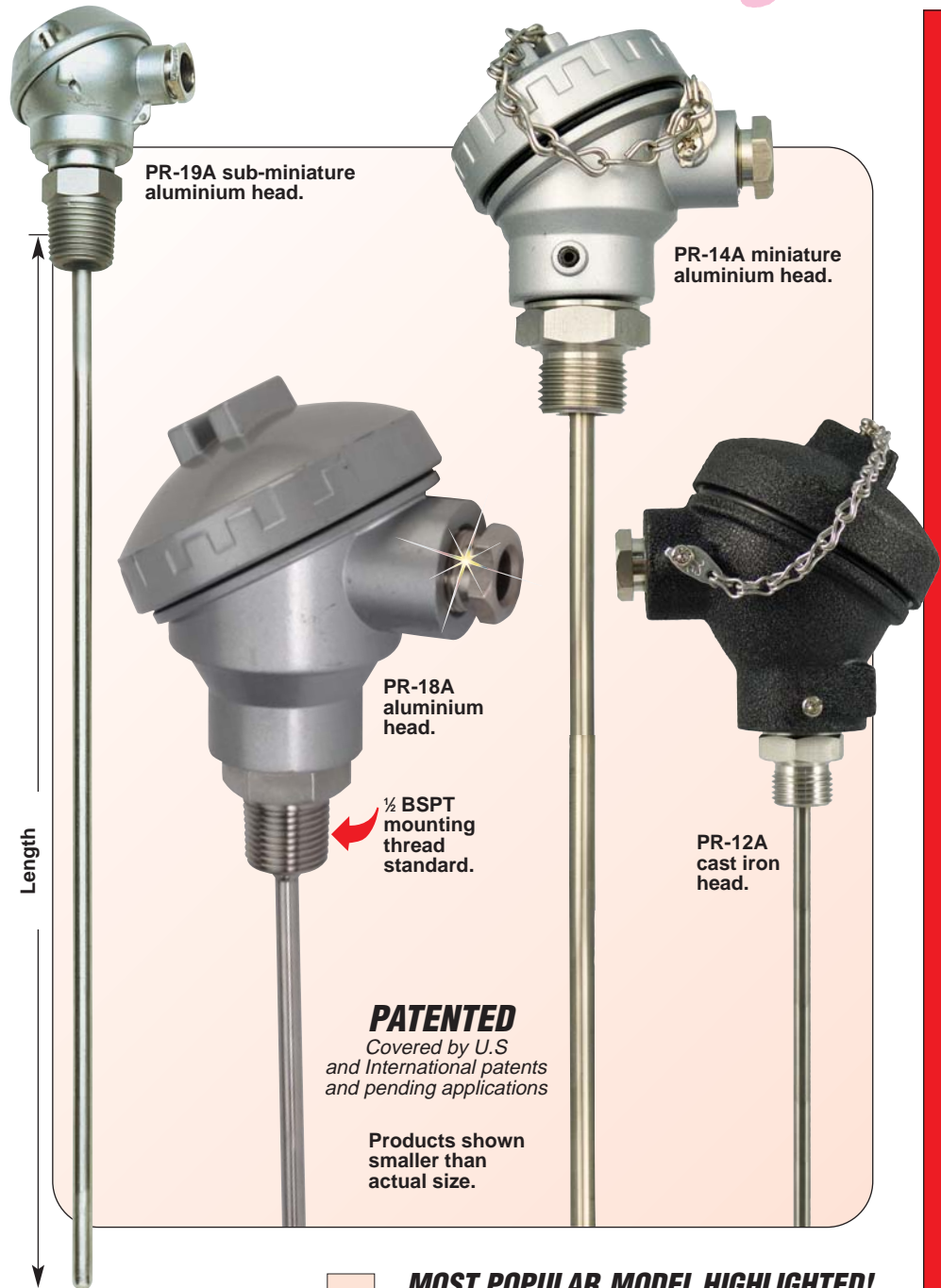
RTDs

PR-Series Starts at **£51**



omega.co.uk

- ✓ Include Spring Loaded Probes for Improved Response Time and Vibration Resistance When Used in Thermowells (See Page 68 for Thermowells) Note: When Installed in a Thermowell, the Thread Engagement will Equal the Spring Loading Compression Length
- ✓ Standard Probes are Supplied with 100 Ω, Class "A" DIN Platinum Elements in 3-Wire Configurations
- ✓ Protection Heads Available in Cast-Iron, Aluminium, Stainless Steel and Glass Filled Nylon
- ✓ Head Mountable 4 to 20 mA Transmitters are Available for Use with Some Connection Head Models (See Page 96)



PATENTED
Covered by U.S. and International patents and pending applications

Products shown smaller than actual size.

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)					
Model Number	Lead Type†	Ohms at 0°C	Sheath Length	6 mm OD Price	3 or 4.5 mm OD Price
PR-(**)-2-(*)-150-SL	2	100	150 mm	£51	£52
PR-(**)-2-(*)-225-SL	2	100	225 mm	52	53
PR-(**)-2-(*)-300-SL	2	100	300 mm	53	54
PR-(**)-2-(*)-450-SL	2	100	450 mm	55	56
PR-(**)-2-(*)-600-SL	2	100	600 mm	57	58

* Specify: M30, M45 or M60 for probe diameter in millimetres. Other lengths readily available.

** Specify protection head style: 12A = cast iron (+ £10); 13A = stainless steel (+ £25); 14A = miniature aluminium; 18A = aluminium; 19A = subminiature aluminium.

Ordering Example: PR-12A-2-M60-150-SL, industrial RTD probe with cast iron head, 3-wire configuration (style 2), 100 Ω, Class "A" DIN Platinum 6 mm diameter, 150 mm length, European curve (α = 0.00385), £61.



Platinum RTD Probes

Spring Loaded for Use in Thermowells

Standard and Metric Dimensions

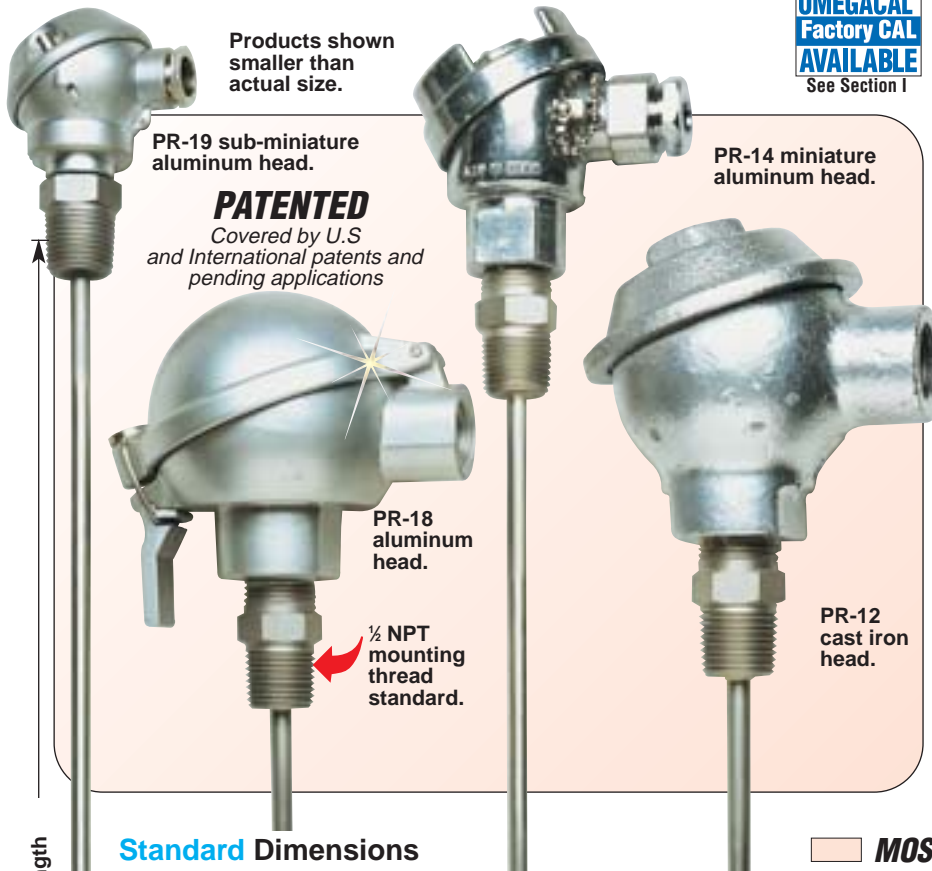
PR-Series Starts at

\$101

OMEGACALSM
Factory CAL
AVAILABLE
See Section I

MADE IN
USA

ACCURACY
IEC CLASS A
(±0.15°C @ 0°C)



Products shown smaller than actual size.

PR-19 sub-miniature aluminum head.

PATENTED
Covered by U.S. and International patents and pending applications

PR-14 miniature aluminum head.

PR-18 aluminum head.

½ NPT mounting thread standard.

PR-12 cast iron head.

- ✓ Include Spring Loaded Probes for Improved Response Time and Vibration Resistance When Used in Thermowells (See Section B for Thermowells) Note: When Installed in a Thermowell, the Thread Engagement will Equal the Spring Loading Compression Length
- ✓ Standard Probes are Supplied with 100 Ω, Class "A" DIN Platinum Elements in 3-Wire Configurations
- ✓ Multiple Connection Head Options Include Screw Cover and Snap Locking Enclosures with Ceramic Terminal Boards (See Table and Section B)
- ✓ A Full Line of Connection Head Mountable 4 to 20 mA Transmitters are Available for Use with Some Connection Head Models (See Table and Section N)

Standard Dimensions

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)					
Model Number	Lead Type†	Ohms at 0°C	Sheath Length	¼" O.D. Price	⅜ or ⅜" O.D. Price
PR-(**)-2-100-(*)-6-E-SL	2	100	6"	\$101	\$105
PR-(**)-2-100-(*)-9-E-SL	2	100	9"	101	105
PR-(**)-2-100-(*)-12-E-SL	2	100	12"	101	105
PR-(**)-2-100-(*)-18-E-SL	2	100	18"	107	111
PR-(**)-2-100-(*)-24-E-SL	2	100	24"	116	117

* Specify: 1/8, 3/16 or 1/4 for probe diameter in inches. Other lengths readily available.

** Specify protection head style: 12 = cast iron; 14 = miniature aluminum; 18 = aluminum; 19 = subminiature aluminum.

Ordering Example: PR-12-2-100-1/14-6-E-SL, industrial RTD probe with cast iron head, 3-wire configuration (style 2), 100 Ω, Class "A" DIN Platinum ¼" diameter, 6" length, European curve (α = 0.00385), \$90.

Metric Dimensions

To Order (Specify Model Number)					
Model Number	Lead Type†	Ohms at 0°C	Sheath Length	6 mm O.D. Price	3 or 4.5 mm O.D. Price
PR-(**)-2-100-(*)-150-E-SL	2	100	150 mm	\$101	\$105
PR-(**)-2-100-(*)-225-E-SL	2	100	225 mm	101	105
PR-(**)-2-100-(*)-300-E-SL	2	100	300 mm	101	105
PR-(**)-2-100-(*)-450-E-SL	2	100	450 mm	107	111
PR-(**)-2-100-(*)-600-E-SL	2	100	600 mm	116	117

* Specify: M30, M45 or M60 for probe diameter in millimeters. Other lengths readily available.

** Specify protection head style: 12 = cast iron; 14 = miniature aluminum; 18 = aluminum; 19 = subminiature aluminum.

Ordering Example: PR-12-2-100-M60-150-E-SL, industrial RTD probe with cast iron head, 3-wire configuration (style 2), 100 Ω, Class "A" DIN Platinum 6 mm diameter, 150 mm length, European curve (α = 0.00385), \$90.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, 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, Wire

• 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

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 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, Strain Gages, 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