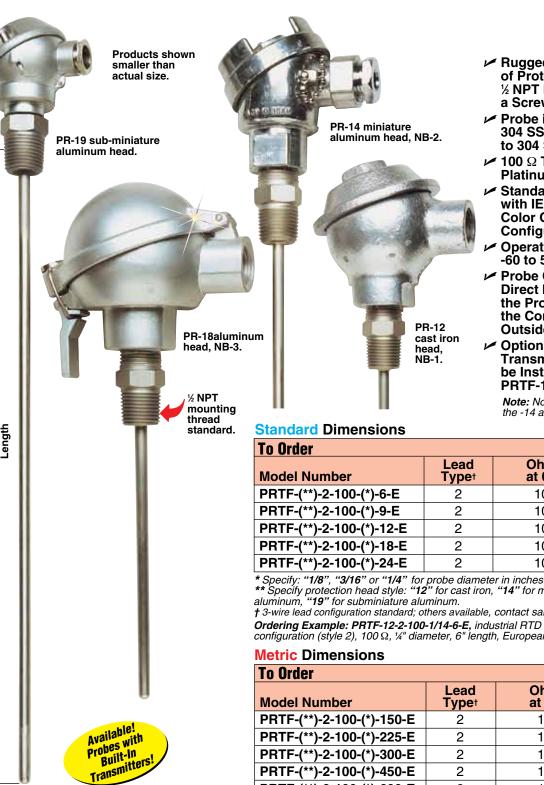
Platinum RTD Probes Industrial Fixed Length Design Standard and Metric Dimensions



Use RTD Extension Wire, e.g., EXTT-3CU Series. Visit us online for details.

PRTF Series



- Rugged Design Offers a Variety of Protection Heads with ½ NPT Mounting Threads and a Screw-Type Terminal Block
- Probe is Fixed Length, 304 SST Sheath Connected to 304 SST Hex Fitting
- 100 Ω Thin Film Class "B" DIN **Platinum Sensors**
- ✓ Standard 3-Wire Configurations with IEC751/ASTM-E-1137 Color Codes (2- and 4-Wire Configurations also Available)
- **Operating Temperature:** -60 to 500°C
- Probe Can be Used as a **Direct Immersion Sensor with** the Protection Head Isolating the Connections from the **Outside Environment**
- Optional 4 to 20mA **Transmitters Can Conveniently** be Installed into PRTF-12 and **PRTF-18 Protection Heads**

Note: No transmitters are available for the -14 and -19 heads.

Model Number	Lead Type ⁺	Ohms at 0°C	Sheath Length
PRTF-(**)-2-100-(*)-6-E	2	100	6"
PRTF-(**)-2-100-(*)-9-E	2	100	9"
PRTF-(**)-2-100-(*)-12-E	2	100	12"
PRTF-(**)-2-100-(*)-18-E	2	100	18"
PRTF-(**)-2-100-(*)-24-E	2	100	24"

* Specify: "1/8", "3/16" or "1/4" for probe diameter in inches. Other lengths readily available. ** Specify protection head style: "12" for cast iron, "14" for miniature aluminum, "18" for

† 3-wire lead configuration standard; others available, contact sales for other configurations. Ordering Example: PRTF-12-2-100-1/14-6-E, industrial RTD probe with cast iron head, 3-wire configuration (style 2), 100 Ω , ¹/₄" diameter, 6" length, European curve ($\alpha = 0.00385$).

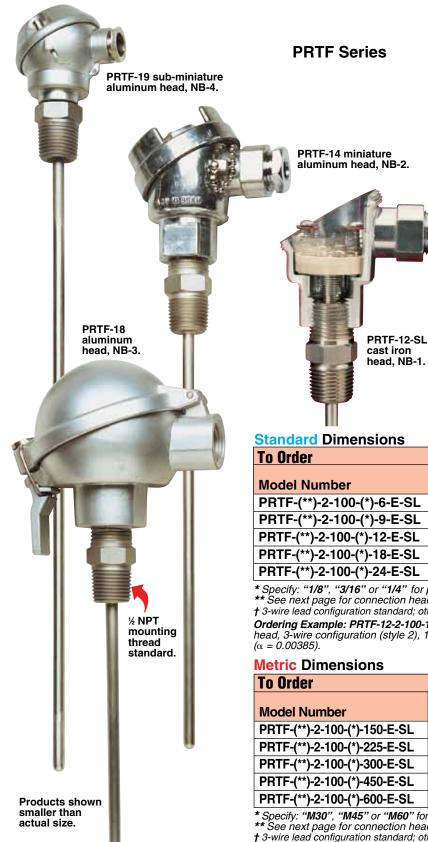
To Order			
Model Number	Lead Type⁺	Ohms at 0°C	Sheath Length
PRTF-(**)-2-100-(*)-150-E	2	100	150 mm
PRTF-(**)-2-100-(*)-225-E	2	100	225 mm
PRTF-(**)-2-100-(*)-300-E	2	100	300 mm
PRTF-(**)-2-100-(*)-450-E	2	100	450 mm
PRTF-(**)-2-100-(*)-600-E	2	100	600 mm

* Specify: M30, M45 or M60 for probe diameter in millimeters. Other lengths readily available. ** Specify protection head style: "12" for cast iron, "14" for miniature aluminum, "18" for aluminum, "19" for subminiature aluminum.

† 3-wire lead configuration standard; others available, contact sales for other configurations. Ordering Example: PRTF-12-2-100-M60-150-E, industrial RTD probe with cast iron head, 3-wire configuration (style 2), 100 Ω , 6 mm diameter, 150 mm length, European curve (α = 0.00385).

C

Platinum RTD Probes Spring Loaded for Thermowells Standard and Metric Dimensions



- Assemblies Include Spring Loaded Probes for Improved Response Time and Vibration Resistance When Used in Thermowells*
- Standard Probes Supplied with 100 Ω Thin Film Class "B" DIN Platinum Elements in 3-Wire Configurations (2- and 4-Wire Available) with IEC751/ASTM-E-1137 Color Codes
- Multiple Connection Head Options Include Screw Cover and Snap Locking Enclosures with Ceramic Terminal Boards
- Optional 4 to 20mA Transmitters Can Conveniently be Installed into PRTF-12 and PRTF-18 Protection Heads

Note: No transmitters are available for the -14 and -19 heads.

* **Note:** When installed in a thermowell, the thread engagement will equal the spring loading compression length.

Model Number	Lead Type [†]	at 0°C	Sheath Length
PRTF-(**)-2-100-(*)-6-E-SL	2	100	6"
PRTF-(**)-2-100-(*)-9-E-SL	2	100	9"
PRTF-(**)-2-100-(*)-12-E-SL	2	100	12"
PRTF-(**)-2-100-(*)-18-E-SL	2	100	18"
PRTF-(**)-2-100-(*)-24-E-SL	2	100	24"

* Specify: "1/8", "3/16" or "1/4" for probe diameter in inches. Other lengths readily available. ** See next page for connection head options.

† 3-wire lead configuration standard; others available, contact sales for other configurations. **Ordering Example: PRTF-12-2-100-1/14-6-E-SL**, industrial RTD probe with cast iron head, 3-wire configuration (style 2), 100 Ω , ¹/₄" diameter, 6" length, European curve ($\alpha = 0.00385$).

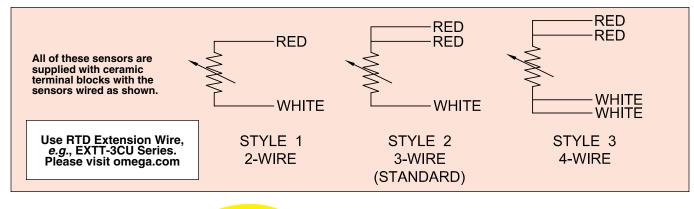
I o Urder			
Model Number	Lead Type [†]	Ω at 0°C	Sheath Length
PRTF-(**)-2-100-(*)-150-E-SL	2	100	150 mm
PRTF-(**)-2-100-(*)-225-E-SL	2	100	225 mm
PRTF-(**)-2-100-(*)-300-E-SL	2	100	300 mm
PRTF-(**)-2-100-(*)-450-E-SL	2	100	450 mm
PRTF-(**)-2-100-(*)-600-E-SL	2	100	600 mm

* Specify: "M30", "M45" or "M60" for probe diameter in millimeters. Other lengths readily available. ** See next page for connection head options.

† 3-wire lead configuration standard; other's available, contact sales for other configurations. **Ordering Example: PRTF-12-2-100-M60-150-E-SL**, industrial RTD probe with cast iron head, 3-wire configuration (style 2), 100 Ω , 6 mm diameter, 150 mm length, European curve ($\alpha = 0.00385$).

Connection Head Options

Model No.	Connection Head Style	Material	Conduit Connection
PRTF-12	NB1 screw top	Cast iron	½ NPT
PRTF-14	NB2 screw top sub miniature	Aluminum	$\frac{1}{2}$ NPT with compression fitting for $\frac{1}{4}$ to $\frac{1}{4}$ " OD cable
PRTF-18	NB3 flip top	Aluminum	½ NPT
PRTF-19	NB4 screw down, subminiature	Aluminum	M16 x 1.0 with compression fitting





When the sensors are used in remote locations, or in environments where electro-magnetic noise is prevalent. Transmitters are a perfect choice. The transmitters shown above will convert the resistance of the RTD to a 4 to 20 mA signal (for use in PRTF-12 and -18 heads only, no transmitters available for -14 and -19 heads).

