

PT100IN Insertion Temperature Sensor

Assemblies Include Spring Loaded Probes for Improved Response Time and Vibration Resistance When Used in Thermowells.



- ✓ Rugged Design
- ✓ ½ NPT Mounting Threads and Screw-Type Terminal Block
- ✓ Temperature Range -200 to 600°C (Connection Head Rated to 250°C)
- ✓ Fixed Length
- ✓ 304 SS Sheath Connected to 304 SS Hex Fitting
- ✓ Standard 3-Wire Configuration, 2- and 4-Wire Also Available
- ✓ 100 Ω Wire-Wound Class "A" DIN Platinum 3-Wire Standard (2- and 4-Wire Available)

Standard Dimensions—Platinum Industrial RTD Probes

Model Number	Lead Type†	Ω at 0°C	Sheath Length (inches)
PR-18-2-100-(*)-6-E	2	100	6
PR-18-2-100-(*)-9-E	2	100	9
PR-18-2-100-(*)-12-E	2	100	12
PR-18-2-100-(*)-18-E	2	100	18
PR-18-2-100-(*)-24-E	2	100	24

* Specify: 1/8, 3/16 or 1/4 for probe diameter in inches. Other lengths readily available
† 3-wire lead configuration standard, contact Sales for other configurations.

Metric Dimensions - Platinum Industrial RTD Probes

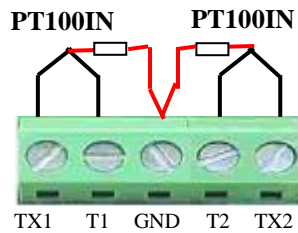
Model Number	Lead Type†	Ω at 0°C	Sheath Length (mm)
PR-18-2-100-(*)-150-E	2	100	150
PR-18-2-100-(*)-225-E	2	100	225
PR-18-2-100-(*)-300-E	2	100	300
PR-18-2-100-(*)-450-E	2	100	450
PR-18-2-100-(*)-600-E	2	100	600

* Specify: M30, M45 or M60 for probe diameter in millimeters. Other lengths readily available
† 3-wire lead configuration standard, contact Sales for other configurations.

Wiring To TP10 Analog Input

The two temperature channels of TP10 designed for thermal measurement function are wired to terminal block pins TX1, T1, TX2, T2 and GND, They can work with a 3-wire PT100SM sensor without any extra parts.

The wiring diagram is shown in the figure below.



Spire Metering Technology LLC

249 Cedar Hill Street, Marlborough, MA 01752, USA

Tel. +1 978-263-7100 / +1 888-738-0188(toll-free) Fax +1 978 418-9170

sales@spiremt.com www.SpireMT.com

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