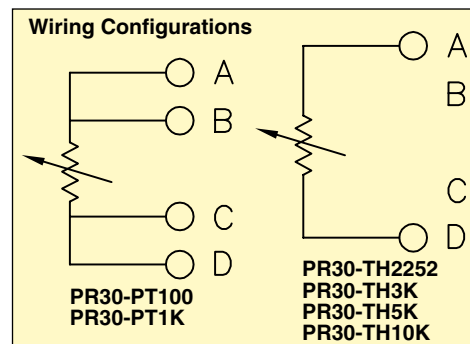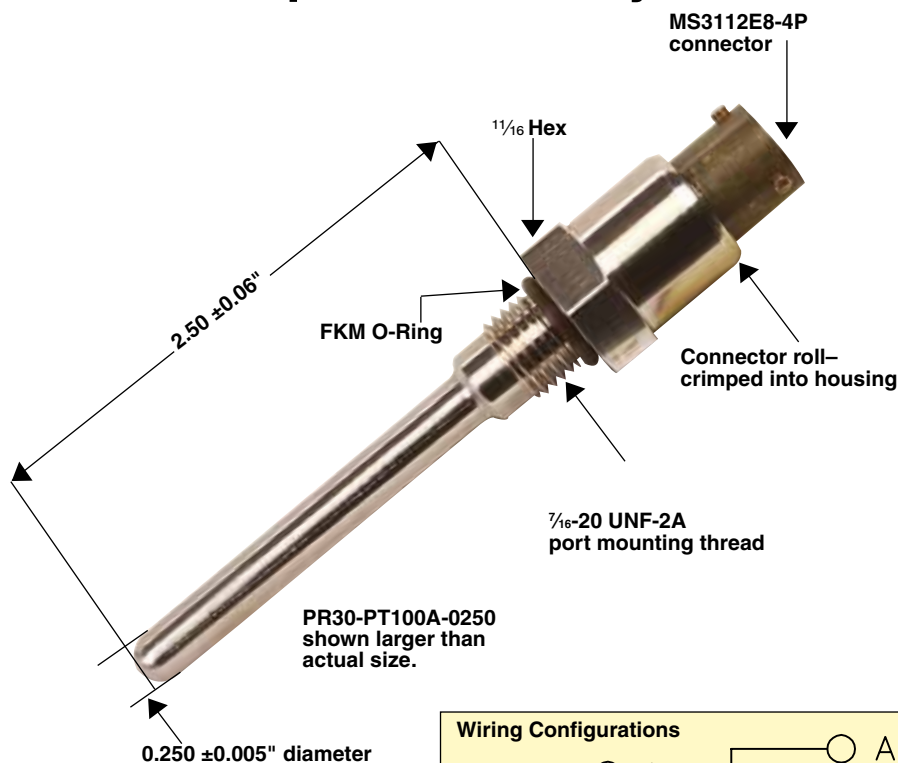# Temperature Sensors for Oil, Fuel or Other Liquids

Includes Threaded Mounting Port, Non-Hermetic Circular Connector and Multiple Sensor Styles

NEW®

PR30 Series

✔ **Mounts into a Standard ⁷⁄₁₆-20 UNF Port**

✔ **All Welded Stainless Steel Construction in Wetted Area**

✔ **MS3112E8-4P Circular Connector Mates With a PT06E8-4S Mating Connector**

✔ **Available in 2 Platinum RTD and 4 Thermistor Output Configurations**

✔ **Temperature Range -50 to 200°C (32 to 212°F)**

✔ **Includes FKM O-Ring at Seal Face**

MS3112E8-4P connector

¹¹⁄₁₆ **Hex**

2.50 ±0.06"

FKM O-Ring

Connector roll– crimped into housing

⁷⁄₁₆-20 UNF-2A port mounting thread

PR30-PT100A-0250 shown larger than actual size.

0.250 ±0.005" diameter

PR30-PT100A-0250 enlarged view.

Wiring Configurations

A
B
C
D

PR30-PT100
PR30-PT1K

A
B
C
D

PR30-TH2252
PR30-TH3K
PR30-TH5K
PR30-TH10K

To Order

Model No.	Sensor Type	Accuracy	Measurement Current
PR-30-PT100A-0250	Pt100 RTD (100 Ω at 0°C)	IEC Class A ±0.15°C (at 0°C)	1 milliamp max
PR-30-PT1KA-0250	Pt1000 RTD (1000 Ω at 0°C)	IEC Class A ±0.15°C (at 0°C)	0.5 milliamp max
PR-30-TH2252-0250	2252 Ω at 25°C thermistor	±0.2°C (0 to 70°C)	10 to 15 microamps
PR-30-TH3K-0250	3000 Ω at 25°C thermistor	±0.2°C (0 to 70°C)	10 to 15 microamps
PR-30-TH5K-0250	5000 Ω at 25°C thermistor	±0.2°C (0 to 70°C)	10 to 15 microamps
PR-30-TH10K-0250	10,000 Ω at 25°C thermistor	±0.2°C (0 to 70°C)	10 to 15 microamps
Accessories	**Description**		
PSMP-4S	Mating PT06E8-4S-SR connector		
5PSOR	FKM O-rings (5 pack)		

Notes: Sensors available standard with the sensor types shown above, for other sensor types or for lengths not shown please contact sales.
Ordering Examples: PR30-PT100A-0250, 4-wire RTD sensor, 100 Ω at 0°C, IEC Class A accuracy, ⁷⁄₁₆-20 mounting thread with FKM O-ring, 2.5" immersion length, 4-pin connector.
PR30-TH2252-0250, 2-wire thermistor sensor, 2252 Ω at 25°C, ±0.2°C accuracy between 0 and 70°C, ⁷⁄₁₆-20 mounting thread with FKM O-ring, 2.5" immersion length, 4-pin connector.