

precise
DOWNHOLE SOLUTIONS™



Precise Engineered Polymer (PEP™) Armored RTD

The Most Rugged, High-Density RTD Product On The Market



✓ PATENT PENDING



Up to 475°C
Continuous Operation



Completely Customizable,
each sensor is built to suit

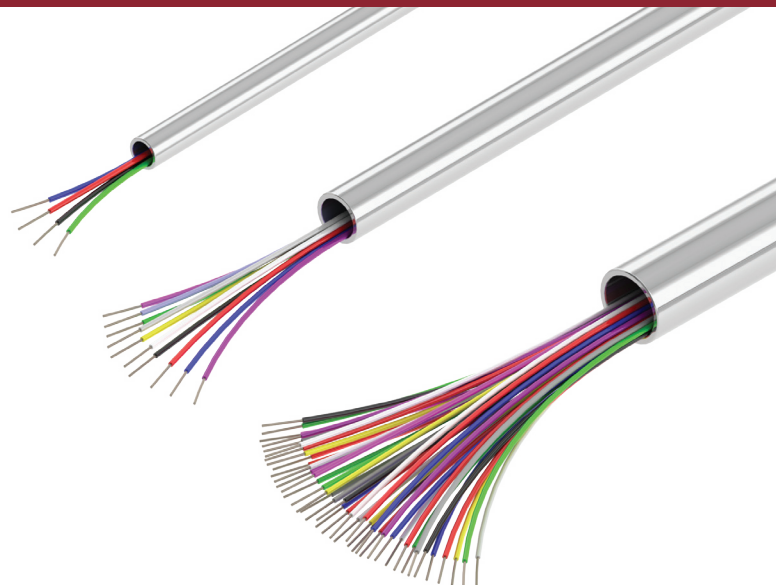


Exceptional
Accuracy & Resolution
(Up to +/- 0.1°C, 0.001°C)



Proven, Cost-Effective
Technology

- Platinum temperature sensor with linear resistance curves
- Customizable RTD point densities (e.g. 50 RTD points encapsulated in 3/8" capillary tubing)
- Extremely accurate and highly sensitive measurement technology
- No cold junction compensation required
- Highly resistant to noise and EMI (Electromagnetic Interference)
- All encapsulations are in annealed capillary tubing
 - 3/16", 1/4", 3/8", 1/2", 5/8"
 - 316 S.S., 2205 Duplex Alloy, Inconel Alloy
- Surface equipment is compact, efficient and can be solar powered



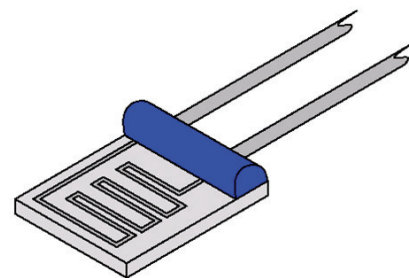
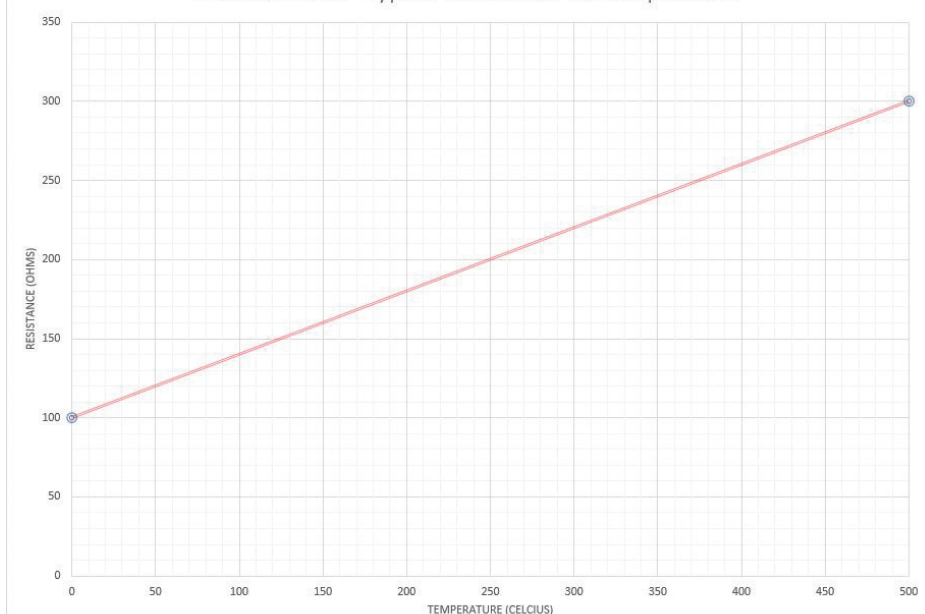
Precise Engineered Polymer (PEP™) Armored RTD



(PEP™) ARMORED RTD SPECIFICATIONS

Temperature Measurement Type	Platinum RTD
Temperature Rating	-100°C to 475°C
Accuracy	Up to +/- 0.1°C
Resolution	Up to +/- 0.001°C
Cable Armor (Sheath) Wall Thickness	Up to 1.65mm (0.065")
Insulation	Engineered Polymer or Fiberglass
RTD String Can Be Deployed With Complete Pressure Control	✓
Wires Color Coded to ensure Proper Depth Verification	✓
Entire Cable Length Armored	✓
Completely Customizable	✓
Capability to Integrate Bundle with Pressure Sensor(s)	✓
RTD String Can Be Deployed With Complete Pressure Control	✓
Cost-Effective	✓

Platinum RTD - Typical Resistance vs. Temperature



TEMPERATURE

www.precisedhs.com