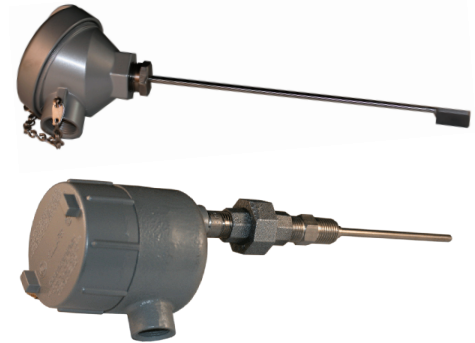
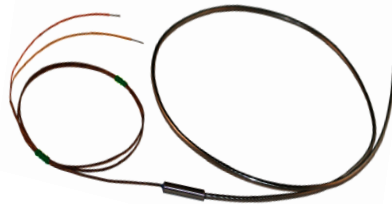
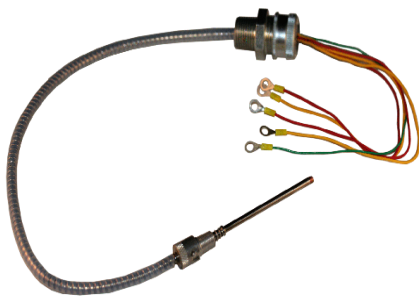


Power Generation Thermal Measurement Solutions

The Vulcan Electric PowerGen line of temperature sensors meet the specific operational and performance requirements for replacement and retrofit products within a wide range of Gas Turbine, Steam Turbines, HRSGs, & Hydro Turbines. Our expertise in solving problems affecting temperature sensor performance has resulted in a robust line of single and dual element temperature sensor designs. Typical applications include wheel space, disc cavity, bearing temperature and exhaust gas temperature monitoring. We have the capability to design and manufacture numerous calibration types, configurations, and material combinations. Each sensor is manufactured and tested to precise specifications to make certain they perform to the exact temperature sensing and controller requirements within the extreme environments encountered.



Typical Construction

- Thermocouple Calibrations K, J, T, N, or E
- RTD Sensors with 2, 3, or 4 Wire (+/- 0.12% at 0°C)
- Weld Pads with Matching Tube Materials
- Industry Standard or Custom Terminal Enclosures
- Stainless Steel or Nickel Alloy Sheath Constructions
- Direct Retrofit and Replacement Designs

Features

- High Purity 99.4% MgO Insulation Material
- High Thermal Conductivity Copper Tip RTD Designs
- Manufactured from ASTM E585 Thermocouple Materials
- Production Tests Include Helium Leaking
- Numerous Sensing Types and Design Configurations
- Vibration and Shock Resistant Constructions

Benefits

- Robust Long Life Constructions
- Temperature Measurement in Extreme Heat Environments
- Exceptional Performance in Critical Applications
- OEM Replacement and Aftermarket Equivalent Sensors
- Engineered to Exceed Original Equipment Sensors
- Designs Available for Numerous PowerGen Applications

Application Examples

- Heat Exchange Processes
- Waster Water Evaporators
- Air Inlet Temperature Sensing
- Wheel Space, Disc Cavity, and Compressor Sensing
- Oil Temperature Measurement
- Tube Skin and High Pressure Temperature Sensing

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