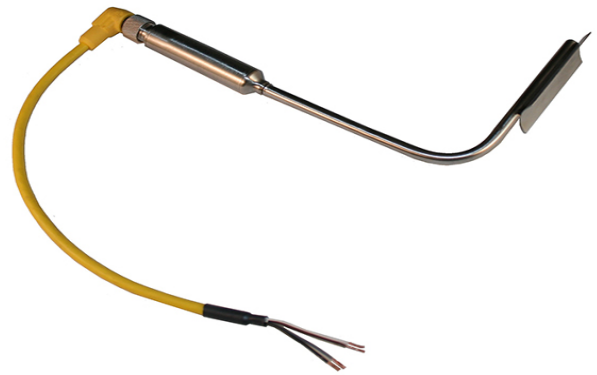
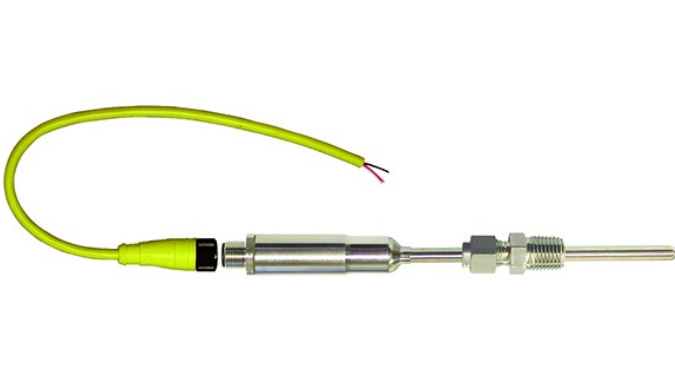


Industrial RTD Sensors with Integrated Transmitter

The Vulcan Electric Industrial RTD Sensors with Integrated Transmitter (ITPT Model Series) incorporate precision RTD sensing with a patented all in one transmitter construction. The RTD sensor probe includes an encapsulated 4 to 20 mA transmitter within the tube body resulting in superior accuracy, repeatability and response time. The ITPT units are fully programmable. They can be factory calibrated to your precise requirements or with the optional ITPT PKIT-2 programming module and PC based software, recalibration can be done in the field within your specific application. These units are completely self-contained and tamperproof and are available with a variety of terminations such as an M12 male receptacle, Teflon leads, armor or stainless steel over-braid. The transmitter electronics are hermetically sealed, providing superior moisture resistance compared to conventional field transmitter assemblies, especially where demanding operating conditions exist in wash down situations and very wet environments. The compact design provides the benefits of simple, easy installation in new applications or retrofit replacements. The patented design is an advanced measurement solution at a competitive price.



Typical Construction

RTD Sensing Element 100 or 1000 Ohm Class A or B
316 Stainless Steel Probe (other sheath options available)
With or Without Process Connections
Integrated Linearized 4 - 20 mA Transmitter
Teflon Lead Wire Termination (many other options available)
M12 Male Connector Option

Features

Small Compact All-In-One Construction
Transition With Transmitter is Only 2" Long x 5/8" Diameter
Hermetically Sealed Transmitter
Corrosion Resistant Stainless Steel Probe Tubes
U.S. or Metric Probe Tube Options
All Teflon Constructions Available for Corrosive Environments

Benefits

High Accuracy Temperature Measurement and Repeatability
Self Contained, Tamper Proof Constructions
Field Recalibration with Optional PC Interface
Simple Installation with Industry Standard Process Fittings
Integrated Transmitter Design Fits into Limited Space
Ideal for a Wide Range of Industrial Applications

Application Examples

Semiconductor Wet Bench Corrosive Environments
Energy Management Delivery Systems
Chemical and Petrochemical Plants
Hydraulic Systems Temperature and Viscosity Control
Sludge and Waste Water Treatment
Heat Recovery and Co-Generation Systems

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Vulcan