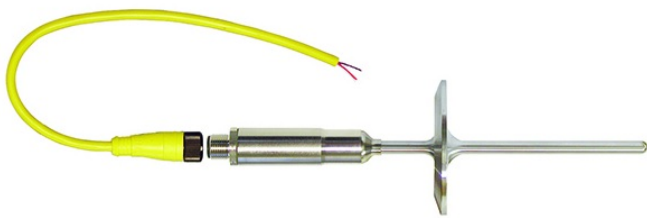


3A Sanitary RTD Sensors with Integrated Transmitter

The Vulcan Electric Sanitary 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
All 316 Stainless Steel Wetted Surfaces
1.5" and 2" Tri-Clamp Sizes - Other Sizes Available
Integrated Linearized 4 - 20 mA Transmitter
Standard Immersion Lengths of 2.5", 4", & 6" (1/4" Dia. Probe)
M12 Male Connector Option

Features

3A Standard Approved Constructions
Compact Robust Design
Hermetically Sealed Transmitter With Sensor Tube Assembly
Factory Calibrated with Options for Field Programming
Traceable NIST Calibration
Numerous Probe Tube and Termination Configurations

Benefits

High Accuracy Temperature Measurement and Repeatability
Self Contained, Tamper Proof Construction
Simple Installation with Standard HyGienic Fittings
Integrated Transmitter Design Fits into Limited Space
Excellent Choice for Wash Down and Wet Environments
Ideal for a Wide Range of Sanitary Process Applications

Application Examples

Milk and Dairy Processing
General Cleaning and Sanitizing Procedures
Analytical Equipment and Testing
Laboratory Research and Development
Food and Beverage Production and Preparation
Boiler Feed Water Systems

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Vulcan