

Temperature Probes with Gauge - TPG Series

Vulcan Electric Company Temperature Probes with Gauge (TPG series) are an excellent choice for applications requiring a visual indication of temperature measurement without line voltage input or other interconnecting wires. The TPG sensor assembly features a rugged 316L stainless steel enclosure and probe that are designed specifically for protection against moisture and dust penetration. The TPG is frequently used as a direct replacement for Bi-Metal or Liquid Bulb and Glass Thermometers and are appropriate for mercury replacements. The design provides an accurate, stable and dependable battery powered digital LCD thermometer for many OEM and industrial applications. Also available is an LED display requiring line voltage and features an analog 4-20 ma output. Vulcan's TPG series deliver the most reliable comprehensive solution for accurate temperature monitoring and indicating applications.



Typical Construction

LCD or LED Display Options
316L Stainless Steel Probe Tube & Enclosure
Adjustable 1/4" NPT Fitting (other options available)
Standard 1/4" Probe Diameter (several diameters available)
Standard Probe Lengths of 6", 9", or 12"
Factory Calibrated 4-20 mA Output

Features

Large 4 Digit Visual Display (approximately 1/2" tall)
Calibrated to Accuracy of +/-0.25% of Span or Better
Operating Temperature Range of -58 to 392°F (-50 to 200°C)
Utilizes Self Calibration Feature for Accurate Performance
IP 65 / NEMA 4 Environmental Protection
Incorporates Pt-100 Ohm RTD Class A Sensing Element

Benefits

Replacement for Bi-Metal, Bulb, & Glass Thermometers
Easy Installation with Industry Standard Mounting Options
Field Reprogrammable with Optional PC Interface
Rugged Corrosion Resistant Construction
High Accuracy and Reliability
Compact Self Contained Design

Application Examples

Pharmaceutical Processing
Food Preparation
Beverage and Food Production
Chemical and Petrochemical Plants
Dairy Production
Industrial Fluids and Heat Transfer Processes

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