EXPLOSION-PROOF RTD TEMPERATURE TRANSMITTER
User Selectable Ranges, Optional LCD Display

The Series TTE Explosion-Proof RTD Temperature Transmitter is the ideal product for hazardous temperature measurement applications. The TTE series has seven pre-programmed temperature ranges that are selectable via an internal dip switch. For those applications that need a custom range, the transmitter can be easily configured for any range between -30 to 250°F with a minimum span of 40°F. The span and zero can be quickly adjusted with a simple push-button design. This unit has optional LCD display.

Applications:
- Offshore HVAC monitoring
- Explosive process environments
- FM approved for Class I, Groups B, C, and D, Class II, Division I, Groups E, F, and G, and Class III environments
- FM approved for Class I, Division 1, Groups B, C, and D, Class II, Division 1, Groups E, F, and G, and Class III atmospheres or ATEX (Directive 2014/34/EU) for the transmitter to be mounted in virtually any application.

Benefits/Features:
- Optional LCD
- FM approved for Class I, Division 1, Groups B, C, and D, Class II, Division 1, Groups E, F, and G, and Class III atmospheres or ATEX (Directive 2014/34/EU)
- Output span selected from seven common ranges or user determined

Applications:
- Explosive process environments
- Offshore HVAC monitoring

Specifications:
- Temperature Sensor: Pt1000, 0.00385 DIN
- Output Temperature Ranges: User selectable – any range between -30 to 250°F with a minimum span of 40°F
- Temperature Limits: Ambient: -4 to 158°F (-20 to 70°C); Process: -30 to 250°F (-34.4 to 121.1°C)
- Accuracy: Transmitter ±0.1% FS; Probe ±0.3% FS
- Thermal Drift Effects: ±0.02%/°C max.
- Response Time: 250 ms.
- Wetted Materials: 316 SS.
- Process Connection: 1/2” male NPT or 1/2” male BSPT
- Conduit Connection: 1/2” female NPT or M20
- Pressure Limits: 2000 psi (137.9 bar)
- Power Requirements: ±25 VDC
- Output Signal: 4-20 mA (2-wire loop powered)
- Optional Display: 2 lines X 8 character LCD
- Enclosure Rating: Weatherproof NEMA 4X (IP66) and Explosion-proof. Listed with FM for Class I, Division 1, Groups B, C, and D, and dust-ignitionproof for Class II, Division 1, Groups E, F, and G, and Class III atmospheres.
- ATEX Certified: 2813 II 2 G Ex db IIC T6...T4 Gb, Ex ta IIIC T111°C Da, Ex db IIC T6...T4 Gb, (-20°C ≤ Ts ≤ 70°C) and IECEx for Ex db IIC T6...T4 Gb, (-20°C ≤ Ts ≤ 70°C), Ex ta IIIC T111°C Da, (-20°C ≤ Ta ≤ 70°C). The compact housing allows for the transmitter to be mounted in virtually any application.

Accessories:
- Mounting bracket for pipe or surface mounting (Includes bracket and two 2” U-bolts)

Technical Specifications and Additional Thermowell Models: See page 145 (Series TE-TNS)

Machined Thermowell