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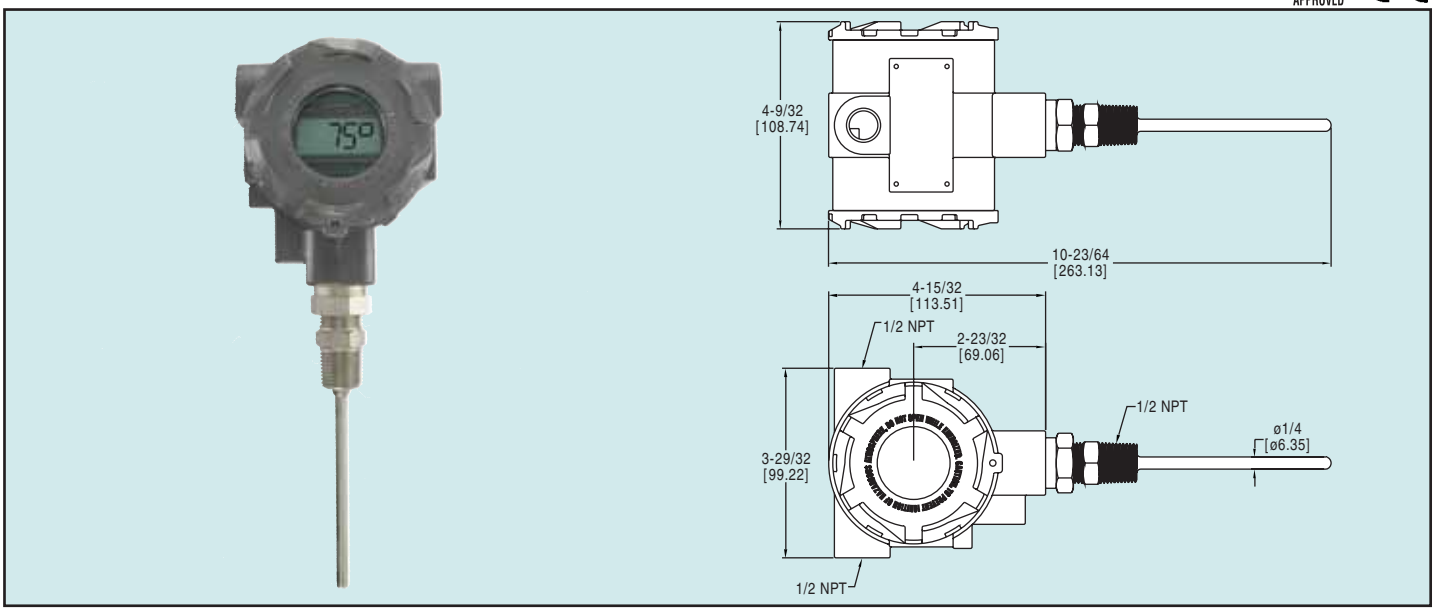
Series TTE

Explosion-Proof RTD Temperature Transmitter

User Selectable Ranges, Optional LCD Display

FM APPROVED CE



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. The compact housing allows for the transmitter to be mounted in virtually any application.

Model Number	Probe Length
TTE-102	2″
TTE-104	4″
TTE-106	6″

Field Selectable Ranges
40 to 90°F (4.4 to 32.2 °C)
-20 to 140°F (-28.9 to 60°C)
0 to 100°F (-17.8 to 37.8°C)
30 to 240°F (-1.1 to 115.6°C)
32 to 212°F (0 to 100°C)
32 to 122°F (0 to 50°C)
-30 to 65°C (-1.1 to 18.3°C)
Custom range between -30 to 250°F (-34.4 to 121.1°C)

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: 0 – 158°F (-18 to 70°C). Process: -30 to 250°F (-34.4 to 121.1°C).
Accuracy: Transmitter +/0.1% F.S. Probe +/-0.3% F.S.
Thermal Drift Effects: +/-0.02%/°C Max.
Response Time: 250 ms.
Wetted Materials: 316 Stainless Steel.
Process Connection: 1/2″ male NPT.
Conduit Connection: 1/2″ female NPT.
Probe Length: 2″ to 18″ (Depending on model).
Pressure Limits: 2000 PSI.
Power Requirements: 10 to 35 VDC.
Output Signal: 4-20 mA (two wire loop powered).
Optional Display: 2 Lines X 8 Character LCD.
Enclosure Rating: Weatherproof and Explosion-proof for Class I, Groups B, C, D; Class II, Groups E, F, G; Class III.
Weight: 2 lb 8 oz (1134 g).
Agency Approvals: FM, CE.

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