



SERIES TTE | EXPLOSION-PROOF RTD TEMPERATURE TRANSMITTER

FEATURES/BENEFITS

- FM approved for Class I, Groups B, C, D; Class II, Groups E, F, G classified explosive environments
- Optional LCD
- Output span selected from seven common ranges or user determined

APPLICATIONS

- Explosive process environments
- Offshore HVAC monitoring

DESCRIPTION

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.



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 to 158°F (-18 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.
Conduit Connection	1/2" female NPT.
Probe Length	2" to 18" (depending on model).
Pressure Limits	2000 psi (137.9 bar).
Power Requirements	10 to 35 VDC.
Output Signal	4 to 20 mA (two wire loop powered).
Optional Display	2 lines X 8 character LCD.
Enclosure Rating	NEMA 4X (IP66) 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	CE, FM.



