SERIES TTE | EXPLOSION-PROOF RTD TEMPERATURE TRANSMITTER

BENEFITS/FEATURES

- **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

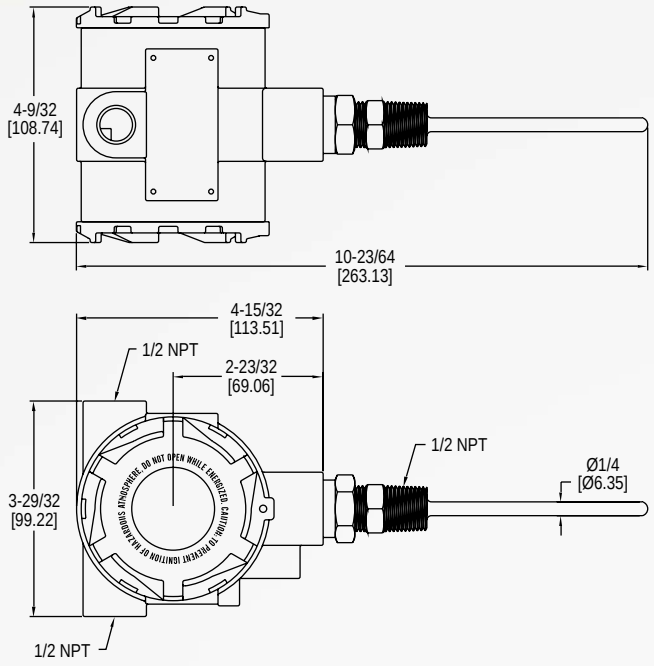
DESCRIPTION

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	10-35 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.
Weight	2 lb 8 oz (1134 g).
Agency Approvals	CE, FM.

DIMENSIONS



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.

TTE **-1** **04-W** **-LCD**

SERIES
TTE: Explosion-proof RTD temperature transmitter

APPROVALS
-1: Explosion-proof

OPTION
-LCD: LCD display
-BSPT: 3/4″ BSPT process connection
-C5: C5-M housing paint specification
-M20: Female M20 thd electrical connection

STEM LENGTH
-04-W: 4″
-06-W: 6″
-09-W: 9″
-12-W: 12″
-15-W: 15″
-18-W: 18″

ACCESSORIES

Model	Description
A-287	Mounting bracket for pipe or surface mounting

ORDER ONLINE TODAY!

dwyer-inst.com/Product/SeriesTTE

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DS-TTE Rev. 1

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