



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

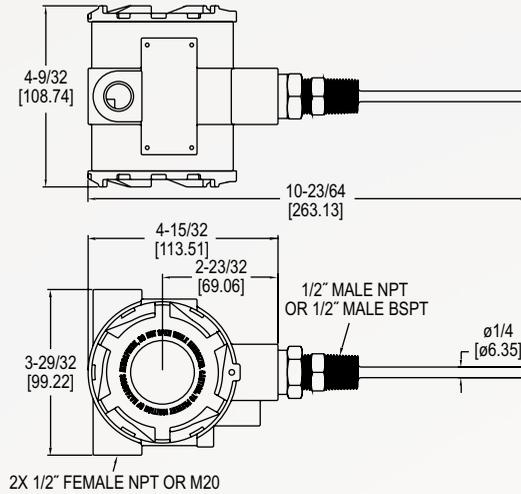
The **Series TTE Explosion-Proof RTD Temperature Transmitter** is the ideal product for hazardous temperature measurement applications. The TTE series has seven pre-programmed temperature ranges that are selectable via an internal dip switch. For those applications that need a custom range, the transmitter 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: -4 to 158°F (-20 to 70°C); Process: -30 to 250°F (-34.4 to 120°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.
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. ATEX Certified: CE 2813 II 2 G Ex db IIC T6...T4 Gb, CE 2813 II 1 D Ex ta IIIC T111°C Da, T6 Process Temp ≤80°C, Temperature Class T5 Process Temp ≤95°C, Temperature Class T4 Process Temp ≤120°C as defined on nameplate. EU-type Certificate No.: EMT17ATEX0021 X. ATEX Standards: EN IEC 60079-0, EN 60079-1, EN 60079-31. IECEX Certified: For Ex db IIC T6...T4 Gb, Ex ta IIIC T111°C Da, T6 Process Temp ≤80°C, Temperature Class T5 Process Temp ≤95°C, Temperature Class T4 Process Temp ≤120°C as defined on nameplate. IECEX Certificate of Conformity: Element IECEX EMT 17.0007X; IECEX Standards: IEC 60079-0, IEC 60079-1, IEC 60079-31. UKCA Ex Certified for: 0518 II 2 G Ex db IIC T6...T4 Gb / II 1 D Ex ta IIIC T111°C Da, T6 process temp ≤ 80°C, T5 process temp ≤ 95°C, T4 process temp ≤ 120°C. UKCA Ex Certificate of Conformity: EMA22UKEX0066X. UKCA Ex Standards: EN IEC 60079-0, EN 60079-1, EN 60079-31.
Weight	2 lb 8 oz (1134 g).
Compliance	ATEX, CE, FM, IECEX, UKCA Ex.

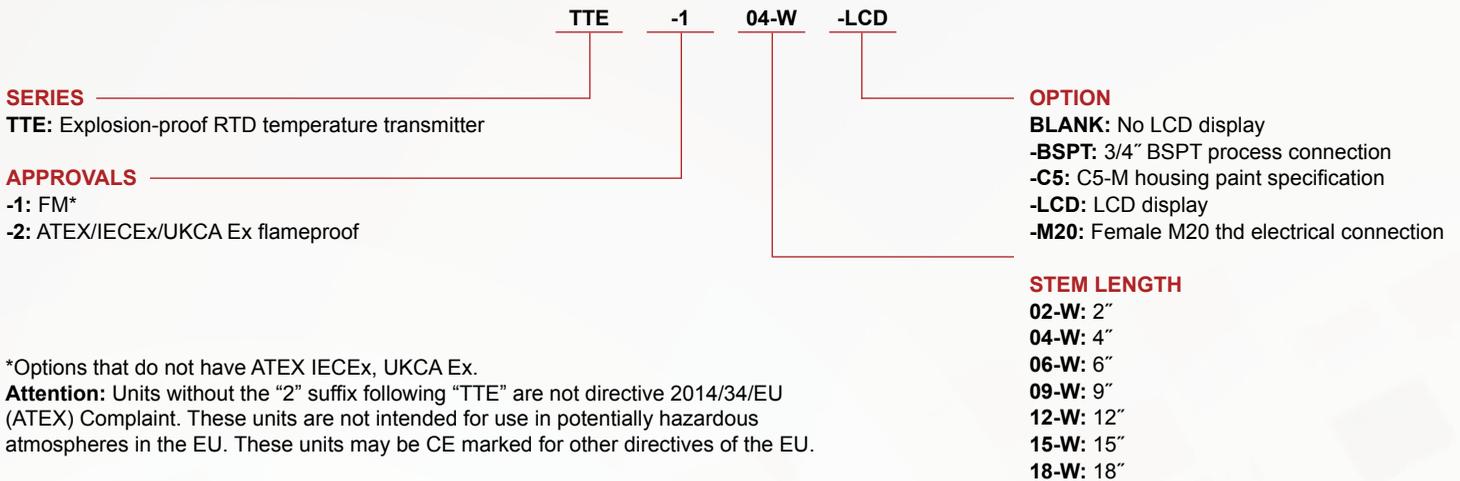
Note: References to ATEX apply to UKCA Ex.

DIMENSIONS



HOW TO ORDER

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



*Options that do not have ATEX IECEX, UKCA Ex.
Attention: Units without the "2" suffix following "TTE" are not directive 2014/34/EU (ATEX) Compliant. These units are not intended for use in potentially hazardous atmospheres in the EU. These units may be CE marked for other directives of the EU.

ACCESSORIES

Model	Description
A-287	Mounting bracket for pipe or surface mounting (Includes bracket and two 2" U-bolts)

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