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 field-selectable ranges 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.

FEATURES/BENEFITS
- FM approved for Class I, Groups B, C, D; Class II, Groups E, F, G classified explosive environments
- ATEX/IECEx flameproof
- CE marked
- ATEX Certified:
  - II 2 G Ex db IIC T6...T4 Gb (-20°C ≤ Ta ≤ + 70°C), Ex ta T111°C Da (-20°C ≤ Ta ≤ + 70°C) and IECEx for Ex db IIC T6...T4 Gb (-20°C ≤ Ta ≤ + 70°C), Ex ta T111°C Da (-20°C ≤ Ta ≤ + 70°C)
- IECEx Certificate of Conformity: Element IECEx EMT 17.0007X
- Weight: 2 lb 8 oz (1134 g).
- Safety Ratings: CE, ATEX.
- Optional Display: 2 lines X 8 character LCD
- Thermal Drift Effects: ±0.02%/°C max.
- Temperature Drift Effects: ±0.1%/°C max.
- Field-Selectable 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.
- Output Signal: 4 to 20 mA (two wire loop powered).
- Pressure Limits: 2000 psi (137.9 bar).
- Connections: 1/2˝ male NPT or 1/2˝ male BSPT.
- Probe Length: 2˝ to 18˝ (depending on model).
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- Probe Material: Stainless steel (304 SS)
- Temperature Sensor: Pt1000, 0.00385 DIN.
- Model Material: Stainless steel (304 SS)
- Connection: 1/2˝ male NPT or 1/2˝ male BSPT.
- Mounting: Surface or pipe
- Accommodates: M20 connection
- Assembly: Stainless steel
- Connection: 1/2˝ male NPT or 1/2˝ male BSPT.
- Environment: Weatherproof and Explosion-proof. Listed with FM for Class I, Division 1, Groups B, C and D, and dust-ignition-proof for Class II, Division 1, Groups E, F and G and Class III atmospheres.
- IECEx: IECEx 09/0021 X
- UNUCK17ATEX0021 X
- Agency Approvals: FM, CE, ATEX/IECEx.
- Specifications:
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  - Power Requirements: 10 to 35 VDC.

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- 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).
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