**Series TTE**

**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. 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Stem Length</th>
<th>LCD Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTE-104-W</td>
<td>4˝</td>
<td>No</td>
</tr>
<tr>
<td>TTE-106-W</td>
<td>6˝</td>
<td>No</td>
</tr>
<tr>
<td>TTE-109-W</td>
<td>9˝</td>
<td>No</td>
</tr>
<tr>
<td>TTE-112-W</td>
<td>12˝</td>
<td>No</td>
</tr>
<tr>
<td>TTE-115-W</td>
<td>15˝</td>
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<tr>
<td>TTE-118-W</td>
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<tr>
<td>TTE-104-W-LCD</td>
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<td>TTE-106-W-LCD</td>
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<td>18˝</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**ACCESSORY**

A-287, Mounting bracket for pipe or surface mounting (Includes bracket and two 2˝ U-bolts)

**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)