**SERIES BTO**

**BIMETAL THERMOMETER WITH TRANSMITTER OUTPUT**

Bimetal Stem with 4-20 mA Output, 3” or 5” Dial

The **Series BTO Bimetal Thermometer with Transmitter Output** eliminates the need for a separate thermometer and transmitter.

**BENEFITS/FEATURES**

- Thermometer and transmitter in one device
- Weatherproof construction

**APPLICATIONS**

- Boilers
- Compressors
- Thermal oxidizers

**SPECIFICATIONS**

**THERMOMETER SPECIFICATIONS**

- Wetted Materials: 304 SS.
- Housing Material: 304 SS.
- Lens: Glass.
- Accuracy: ±1% FS.
- Temperature Limits: Ambient: -58 to 185°F (-50 to 85°C).
- Dial Size: 3” or 5”.
- Resolution: 2°F (5°F for 400°F and 550°F models).
- Process Connection: 1/2˝ NPT.
- Weight: 1.95 lb.

**TRANSMITTER SPECIFICATIONS**

- Temperature Limits: Ambient: -58 to 185°F (-50 to 85°C).
- Power Requirement: 10-33 VDC.
- Output Signal: 4-20 mA.
- Loop Resistance: 1045 Ω.
- Power Consumption: 38 mA.

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**SERIES RRT3**

**REMOTE READING THERMOMETER WITH SWITCH**

SPDT Relay, Liquid Actuated Bulb and Capillary

The **Series RRT3 Remote Reading Thermometer with Switch** combines an easy to read 3-1/4” dual scale dial thermometer and a SPDT relay. Color coordinated pointers display the current process temperature and set point.

**BENEFITS/FEATURES**

- Fast installation with quick connect terminals
- Long product life cycle with industrial armored capillary

**APPLICATIONS**

- High temp shut down in process applications
- Boiler or chiller control

**SPECIFICATIONS**

**Wetted Materials:** 304 SS.

- Housing Material: 304 SS.
- Temperature Limit: -4 to 158°F (-20 to 70°C).
- Switch Type: SPDT.
- Electrical Ratings: 3 A @ 250 VAC, .2 A @ 250 VDC.
- Electrical Connections: Screw terminal.
- Process Connection: 1/2” (12.7 mm) male NPT.
- Capillary Length: 10.5’ (3.2 m).
- Bulb Length: 3-1/8” (79.24 mm).
- Weight: 2 lb (0.9 kg).

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**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Temperature Ranges</th>
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</thead>
<tbody>
<tr>
<td>RRT3120U</td>
<td>-40 to 120°F (-40 to 50°C)</td>
</tr>
<tr>
<td>RRT3250U</td>
<td>32 to 248°F (0 to 120°C)</td>
</tr>
<tr>
<td>RRT3300U</td>
<td>0 to 300°F (-18 to 149°C)</td>
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