The SERIES TTW Immersion Temperature Transmitter offers a field adjustable temperature transmitter pre-assembled with an RTD sensor and weatherproof enclosure.

FEATURES/BENEFITS
• Preset to 32 to 212°F (0 to 100°C) output range
• USB port for easy output scale adjustment in the field

APPLICATIONS
• Immersion temperature sensing in HVAC systems

SERIES 650
TEMPERATURE TRANSMITTER
4 to 20 mA Signal, Two Wire Operation, Temperatures from -55 to 180 °C

The SERIES 650 Temperature Transmitter is ideal for a wide variety of HVAC, industrial and commercial multi-point temperature monitoring applications. Three models are stocked in popular ranges factory calibrated within 0.3% of span.

FEATURES/BENEFITS
• Field adjustable span
• Low profile transmitter housing
• Non-polarized wiring

APPLICATIONS
• HVAC system monitoring

TABLES

### MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Probe Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTW-104</td>
<td>4&quot;</td>
<td>$200.00</td>
</tr>
<tr>
<td>TTW-106</td>
<td>6&quot;</td>
<td>200.00</td>
</tr>
<tr>
<td>TTW-108</td>
<td>8&quot;</td>
<td>200.00</td>
</tr>
<tr>
<td>TTW-112</td>
<td>12&quot;</td>
<td>200.00</td>
</tr>
<tr>
<td>TTW-118</td>
<td>18&quot;</td>
<td>203.00</td>
</tr>
</tbody>
</table>

### THERMOWELLS - MACHINED

<table>
<thead>
<tr>
<th>Model</th>
<th>Material</th>
<th>Length</th>
<th>Connection (Internal/External) (NPT)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE-TNS-N044N-14</td>
<td>304 SS</td>
<td>4&quot;</td>
<td>1/4&quot; / 1/2&quot;</td>
<td>$17.00</td>
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<tr>
<td>TE-TNS-N064N-14</td>
<td>304 SS</td>
<td>6&quot;</td>
<td>1/4&quot; / 1/2&quot;</td>
<td>16.25</td>
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<tr>
<td>TE-TNS-N094N-14</td>
<td>304 SS</td>
<td>9&quot;</td>
<td>1/4&quot; / 1/2&quot;</td>
<td>31.25</td>
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<tr>
<td>TE-TNS-N124N-14</td>
<td>304 SS</td>
<td>12&quot;</td>
<td>1/4&quot; / 1/2&quot;</td>
<td>45.25</td>
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</tbody>
</table>

### SPECIFICATIONS

- **TEMPERATURE SENSOR**
  - Accuracy: ±0.3% FS @ 20°C (68°F).
  - Linearity: Within 0.25% of span.
  - Thermal Drift: Less than 0.5% of span over ambient temperature range of 0 to 50°C (32 to 122°F).
  - Voltage Stability: Output error less than 0.01% of span over the specified supply voltage range.

- **Probe Construction**: 6” long, 0.25” OD Type 304 SS.
- **Probe Cable Length**: 7 ft (2.1 m).
- **Temperature Limits**: Ambient: 0 to 70°C (32 to 158°F).
- **Output**: 4 to 20 mA DC.
- **Power Requirements**: 12 to 35 volts DC.
- **Power Requirement**: 10 mA at 24 VDC.
- **Probe Drift**: Less than 0.1% of span over ambient temperature range of 0 to 50°C (32 to 122°F).

- **ENCLOSURE**

  - **Rating**: NEMA 4X (IP65).
  - **Material**: Painted aluminum housing.