### Series 442 Programmable HART® Temperature Transmitter Specifications

#### MECHANICAL CONSTRUCTION

**Dimensions**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>0.197 [5]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.28 [7]</td>
</tr>
<tr>
<td></td>
<td>1.3 [33]</td>
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<tr>
<td></td>
<td>1.73 [44]</td>
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<tr>
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<td>0.89 [23]</td>
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</tbody>
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**Weight**

- approximately 40 g

**Materials**

- Housing: Polycarbonate • Potting: Polyurethane

**Terminals**

- 15 AWG (maximum)

#### Terminal Connections

**Power supply and current output**

- (11.5 to 30) V dc
- (4 to 20) mA

**HART® Communication on (4 to 20) mA**

- 2-Wire
- 3-Wire
- 4-Wire

**Sensor Connection**

- TC
- RTD
- Ω

**Remote Operation**

**Configurable parameters**

- Sensor type and connection type, engineering units (°C/°F), measurement range, internal/external cold junction compensation, cable resistance compensation on 2-wire connection, fault conditioning, output signal (4 to 20) mA or (20 to 4) mA, digital filter (damping), offset, measurement point identification (8 characters), output simulation

#### Approvals

- **CE marked**
  - Unit complies with the legal requirements set forth by the EU regulations.

- **UL Recognized Component**

- **General Purpose and non-incendive for use in hazardous locations Class I, Division 2 Groups A, B, C and D**

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