TR75 DiwiTherm® Digital RTD

TR75 DiwiTherm® digital resistance temperature detectors (RTDs) are an ideal combination of a digital indicator and a resistance thermometer. This measuring instrument can be used for a variety of applications and can work in the absence of an external power supply. The large scale LCD display is clear and easy to read.

An extensive range of insertion lengths, neck lengths and thermowell connections are available for these thermometers (including a contact bulb design for tube skin mounting).

Applications:
TR75 series RTDs are suitable for most industrial and commercial applications including:
- Air-conditioning and refrigeration systems
- Automotive industries
- Chemical and petrochemical industries
- Energy and power plant technology
- Food and beverage industries
- Machinery, plant and tank measurement
- Oil and gas industries
- Offshore exploration and drilling
- Power and utilities
- Sanitary conditions

Features:
- LCD display with 18 mm high numerals.
- The assembly has electrical approvals for intrinsic safety (battery powered version only).
- RTD diameters range from 3 mm to 8 mm.
- The sensor can be mounted into a thermowell or directly into a process with the use of a fixed or compression process fitting.

<table>
<thead>
<tr>
<th>Field Number</th>
<th>Description</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Power source</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Output</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Design</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Electrical approval</td>
<td></td>
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<tr>
<td>5</td>
<td>Neck extension</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Neck (N)</td>
<td></td>
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<tr>
<td>7</td>
<td>Fitting style</td>
<td></td>
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<tr>
<td>8</td>
<td>Thread size</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Temperature range</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Cable</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
- Use with code 1 for Power source (Field 1).
- Use with code 2 for Power source (Field 1).
- Use with code 3 for Power source (Field 1).
- Use with code 1, 2, or 3 for Design (Field 3).
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<td>Sensor diameter</td>
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<td>Sheath material</td>
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<td>14</td>
<td>Probe length</td>
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<td>Certificates</td>
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</tr>
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<td>16</td>
<td>Additional order details</td>
<td>Code</td>
</tr>
</tbody>
</table>

#### Measuring range:
-50 °C to +400 °C (-50 °F to +750 °F)

#### Power supply:
- Battery powered
- Loop powered (4...20 mA)
- Solar powered

#### Design:
- Radial / adjustable every angle (with extension neck)
- Axial (with connection cable)

#### Electrical approvals:
- ATEX/IEC

#### Options:
- Lengths and diameters standard or customer specific
- Intrinsically safe version: ATEX (EEEx-i)
- Housing for panel mount
- Connection cable
- Contact bulb for tube skin mounting

#### TR75 applications:
- Commercial applications including:
  - TR75 series RTDs are suitable for most industrial and thermowell connections are available for these thermometers (including a contact bulb design for tube skin mounting).

#### Applications and connections:
- An extensive range of insertion lengths, neck lengths and thermowell connections are available for these thermometers (including a contact bulb design for tube skin mounting).

#### TR75 - DiwiTherm® Digital RTD

- Measuring range: -50 °C to +400 °C (-50 °F to +750 °F)
- Power supply: Battery powered (4...20 mA), Solar powered
- Design: Radial / adjustable every angle (with extension neck), Axial (with connection cable)
- Electrical approvals: ATEX/IEC
- Options: Lengths and diameters standard or customer specific, Intrinsically safe version: ATEX (EEEx-i), Housing for panel mount, Connection cable, Contact bulb for tube skin mounting

#### Applications:
- Oil and gas industries
- Food and beverage industries
- Energy and power plant technology
- Chemical and petrochemical industries
- Automotive industries
- Air-conditioning and refrigeration systems
- Power and utilities
- Sanitary conditions

#### Options:
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