Model 110
Field Cuttable RTD

Designed for applications where a threaded male fitting is required for mounting in tanks, stacks, pressure vessels. Stocking “cuttables” can reduce inventory and down time as the 110 can be easily cut to the required length in the field and a fitting can be installed in a matter of minutes.

Model 110 is designed to be used with optional connector or spring-loaded fitting.

Specifications:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
</table>
| 1. | Base Model | Base model/series number.
| 2. | A. Accuracy: | Standard Class B (no code)
| |   | High Class A (code H)
| |   | Special Customer Specified (code S)
| | B. TCR: | Temperature Coefficient of Resistance is the temperature vs. resistance characteristics of a given metal (Pt, Cu & Ni) used in manufacturing the RTD. Determines the curve of the RTD.
| | C. Ice Point Resistance: | \( R_0 \) - Resistance at 0°C (32°F)
| |   | Code C - 316SS tube and wire construction, wire wound element, fiberglass insulated lead wire.
| 4. | Lead Wires: | 4 - Wire
| |   | 6 - Wire (Dual 3-Wire )
| |   | 8 - Wire (Dual 4-Wire) |
| 5. | Sheath Diameter: | .250” (1/4”) is the industry standard.
| 6. | Sheath Length: | Entire cuttable length plus 2 1/4” nominal tip.
| 7. | Optional Fittings: | Sensor is not supplied with mounting hardware, specify optional fitting.
| 8. | Tube Cutter: | Optional tube cutter.
### Field Cuttable RTD

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>$R_O$ &amp; Temperature Coefficient</th>
<th>$R_{100}$ @ $0^\circ$ C</th>
<th>Industry Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>01B</td>
<td>100 ohm Platinum</td>
<td>.00385055 TCR</td>
<td>100 ohms @ $0^\circ$ C</td>
<td></td>
</tr>
<tr>
<td>01A</td>
<td>100 ohm Platinum</td>
<td>.003902 TCR</td>
<td>100 ohms @ $0^\circ$ C</td>
<td></td>
</tr>
<tr>
<td>10A</td>
<td>1000 ohm Platinum</td>
<td>.003902 TCR</td>
<td>1000 ohms @ $0^\circ$ C</td>
<td></td>
</tr>
<tr>
<td>10B</td>
<td>1000 ohm Platinum</td>
<td>.00385055 TCR</td>
<td>1000 ohms @ $0^\circ$ C</td>
<td></td>
</tr>
<tr>
<td>12N</td>
<td>120 ohm Nickel</td>
<td>.00672 TCR</td>
<td>120 ohms @ $0^\circ$ C</td>
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</tr>
<tr>
<td>09C</td>
<td>10 ohm Copper (9.035)</td>
<td>.004274 TCR</td>
<td>10 ohms @ $25^\circ$ C</td>
<td></td>
</tr>
</tbody>
</table>

Add Code "H" for higher accuracy
Add Code "S" for special accuracy
Add Code "M_" for matched pair. For matching type, see RTD General Specifications.

### Construction Temperature Limit

- **A**: 500°F Maximum
- **C**: 900°F Maximum (Platinum Only)

### Number of Lead Wires

- **4**: 4-Wire (Complete Compensation)
- **6**: Dual 3-Wire (with dual element)
- **8**: Dual 4-Wire (with dual element)

### Sheath Diameter

- **C**: .250" (1/4") Diameter

### Sheath Length

- **24**: 24" (27" Overall)
- **48**: 48" (51" Overall)
- **Other**: Consult Factory

### Optional Fittings

- **C1S**: 1/4" Sheath x 1/8" NPT SS
- **C2S**: 1/4" Sheath x 1/4" NPT SS
- **C3S**: 1/4" Sheath x 1/2" NPT SS
- **NS1**: 1/4" Sheath x 1/2" NPT Hex Nipple
- **FS5**: 1/4" Sheath 1/2" X 1/2" Hex Fitting with Adjustable Fluid Seal
- **310**: 1/2" X 1/2" Hex Fitting Kit
- **Other**: Consult Factory

### Options

- **TC1**: Tube Cutter

**Sample Model Number**

```
110 - 01B - A - 4 - C - 24 / NS1 /
```

**Your Model Number**