Model 120
Hand-Breakable RTD

Stocking Weed patented “breakables” can reduce inventory and down time. No tools are required to break the sensor to the required length and optional fittings can be installed in a matter of minutes.

**Model 120** is designed to be used with optional fittings.

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**Specifications:**

1. **Base Model**
   - Base Model/Series Number.

2. **Accuracy:**
   - **Standard** Class B (no code)
   - **High** Class A (code H)
   - **Special** Customer Specified (code S)

3. **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.

4. **Ice Point Resistance:**
   - $R_0$ - Resistance at 0°C (32°F)

5. **Construction:**
   - Code V - Tube and wire construction, thin film element (.00385055) TCR, Teflon insulated lead wire in a fiberglass breakable sheath.

6. **Lead Wires:**
   - **4 - Wire**
   - **6 - Wire (Dual 3 - Wire)**
   - **8 - Wire (Dual 4-Wire)**

7. **Sheath Diameter:**
   - .250” (1/4") is the industry standard.

8. **Sheath Length:**
   - Available in two lengths, scored to be breakable every 1 1/2 inches, above 2 1/2" nominal tip.

9. **Optional Fittings:**
   - Sensor is not supplied with mounting hardware, specify optional fitting.

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**www.weedinstrument.com**
# Hand-Breakable RTD

## Model 120

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>R&lt;sub&gt;0&lt;/sub&gt; &amp; Temperature Coefficient</th>
<th>Construction Temperature Limit</th>
<th>Optional Fittings</th>
<th>Sample Model Number</th>
<th>Your Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>01B</td>
<td>100 ohm Platinum</td>
<td>0.00385055 TCR (100 ohms @ 0° C) - Industry Standard</td>
<td>250° F Maximum</td>
<td>1/4” Sheath x 1/8” NPT SS</td>
<td>120 - 01B - V - 4 - C - 15 - NS1</td>
<td></td>
</tr>
<tr>
<td>01A</td>
<td>100 ohm Platinum</td>
<td>0.003902 TCR (100 ohms @ 0° C)</td>
<td></td>
<td>1/4” Sheath x 1/4” NPT SS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10A</td>
<td>1000 ohm Platinum</td>
<td>0.003902 TCR (1000 ohms @ 0° C)</td>
<td></td>
<td>1/4” Sheath x 1/2” NPT SS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10B</td>
<td>1000 ohm Platinum</td>
<td>0.00385055 TCR (1000 ohms @ 0° C)</td>
<td></td>
<td>1/4” Sheath x 1/2” NPT SS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12N</td>
<td>120 ohm Nickel</td>
<td>0.00672 TCR (120 ohms @ 0° C)</td>
<td></td>
<td>1/4” Sheath x 1/2” NPT SS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09C</td>
<td>10 ohm Copper (9.035)</td>
<td>0.004274 TCR (10 ohms @ 25°C)</td>
<td></td>
<td>Spring-Loaded: 1/4” Sheath 1/2” X 1/2” Hex Fitting with adjustable Fluid Seal</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td>1/2” X 1/2” Hex Fitting Kit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Add Code “H” for higher accuracy
Add Code “S” for special accuracy
Add Code “M”, ME for matched to element, MT for matched to transmitter, MP two matched to probes.

- **Model Description**: 100 ohm Platinum, 1000 ohm Platinum, 120 ohm Nickel, 10 ohm Copper
- **Construction Temperature Limit**: 250° F Maximum
- **Optional Fittings**:
  - Compress 1/4” Sheath x 1/8” NPT SS
  - 1/4” Sheath x 1/4” NPT SS
  - 1/4” Sheath x 1/2” NPT SS
  - 1/4” Sheath x 1/2” NPT Hex Nipple
  - Spring-Loaded: 1/4” Sheath 1/2” X 1/2” Hex Fitting with adjustable Fluid Seal
  - 1/2” X 1/2” Hex Fitting Kit

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