**Temperature Sensing**

**Resistance Temperature Sensing**

**Style RTD1 — Straight Probes**

![Diagram of RTD1](image)

**Tube and Wire Construction** *(see Box 9)*

**Mineral Insulated Construction** *(see Box 9)*

**Design Features**

* Platinum Resistance Element

**Optional Installation**

Compression Fitting

See Box 12

**Ordering Information**

RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

**Ordering Code:**

<table>
<thead>
<tr>
<th>Element</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
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</tbody>
</table>

**Lead Wire Length** *(Box 8)*

In inches **001** to **999**

12" (012) Standard

**RTD Construction Type** *(Box 9)*

T = Tube and Wire Construction

M = MgO Insulated Construction with strain relief spring

(Type “M” not available for “K” or “L” from Element Box 1)

**Lead Wire Construction** *(Box 10)*

Fiberglass 900°F (482°C) S

Teflon® 392°F (200°C) T

w/ SS Overbraid® w/SS Flex Armor

*Flex Armor options, overbraid options and .125” O.D. and dual constructions may require transitions.*

**Lead Wire Termination** *(Box 11)*

P = Standard Male Plug 350°F (177°C)

J = Standard Female Jack

K = Std. Plug with Mating Jack

D = Mini Male Plug 350°F (177°C)

E = Mini Female Jack

F = Mini Plug & Mating Jack

B = Std.—2-1/2 in. Split Leads

S = Leads with Spade Lugs

C = 2-1/2 in. Split Leads with BX Connector and Spade Lugs

Plugs and Jacks for 2- and 3-Wire Only

**Optional Compression Fitting** *(Box 12)*

1 = 1/8” NPT SS

2 = 1/4” NPT SS

3 = 1/2” NPT SS

4 = 1/8” NPT Brass

5 = 1/4” NPT Brass

6 = 1/2” NPT Brass

0 = None Required

**Sheath Length “L”** *(Box 6)*

Whole inches **01** to **99**

For lengths over 99 in. consult TEMPCO.

**Sheath Material** *(Box 5)*

B = 304 SS

C = 316 SS

A = Alloy 600

(Type “M” only; See Box 9)

**Sheath Length “L”** *(Box 7)*

Fractional inches

0 = 0”

1 = 1/8”

2 = 1/4”

3 = 3/8”

4 = 1/2”

5 = 5/8”

6 = 3/4”

7 = 7/8”

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

View Product Inventory @ [www.tempco.com](http://www.tempco.com)
**RTD Termination Styles**

**Optional Termination Styles**

Available for the following RTDs:

<table>
<thead>
<tr>
<th>Style</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTD1</td>
<td>14-50</td>
</tr>
<tr>
<td>RTD2</td>
<td>14-51</td>
</tr>
<tr>
<td>RTD5</td>
<td>14-54</td>
</tr>
<tr>
<td>RTP</td>
<td>14-61 through 14-63</td>
</tr>
</tbody>
</table>

**ECR Style RTD Extension Assemblies**

(3-wire circuits shown, 2-wire circuits also available)

**Ordering Code:** ECR

**Number of Leads**

2 = 2-wire circuit  
3 = 3-wire circuit  
4 = 4-wire circuit*  
*Plugs and Jacks not available

**“L” Dimension**

Whole inches  
001 to 999

**Lead Insulation**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Overbraid</th>
<th>Armor Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>T</td>
<td>A</td>
</tr>
</tbody>
</table>

**Special Requirements**

X = Specify  
0 = None

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**View Product Inventory @ www.tempco.com**

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov