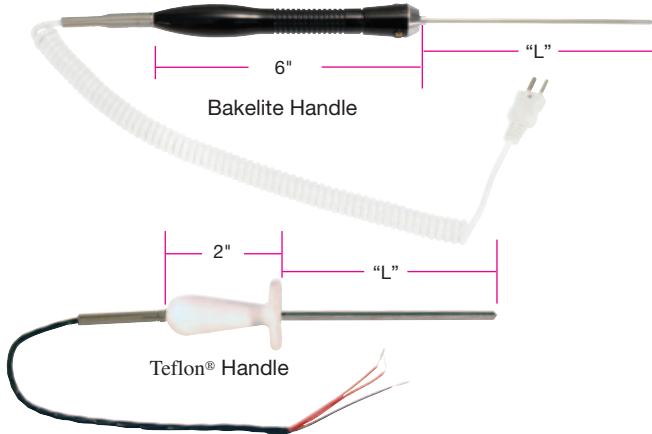


# Temperature Sensing

## Resistance Temperature Sensing



### Style RTD5 — Handheld Probe

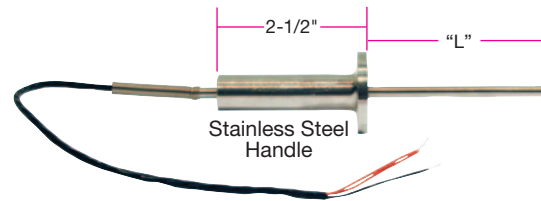


#### Design Features

- \* **Platinum Resistance Element**
- \* **Ground conical point for easy meat penetration**
- \* **Large handle makes penetration and removal easy**
- \* **Teflon® insulated lead wire construction good to 392°F (200°C)**
- \* **Fiberglass lead wire construction good to 900°F (482°C)**
- \* **3-wire coil cord construction good to 221°F (105°C). Not available with overbraid or flex armor. Extended length 5 or 15 ft. (standard).**

#### 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:

RTD5 -

#### Element BOX 1

**S** = 100Ω Single      **K** = 1000Ω Single  
**D** = 100Ω Dual      **L** = 1000Ω Dual  
**TCR** = .00385 ohm/ohm/°C

#### Sheath Length "L" BOX 6

Whole inches  
**01 to 99**  
 For lengths over 99 in. consult TEMPCO.

#### Sheath Length "L" BOX 7

Fractional inches  
**0** = 0"      **3** = 3/8"      **6** = 3/4"  
**1** = 1/8"      **4** = 1/2"      **7** = 7/8"  
**2** = 1/4"      **5** = 5/8"

#### Element Class BOX 2

**A** = ±0.06% at 0°C, Optional  
**B** = ±0.12% at 0°C, Standard

#### Lead Wire Length BOX 8

In inches **012 to 999**  
 60" (060) Standard  
**For Coil Cords Enter 060 or 180**

#### Number of Leads BOX 3

**2** = 2-wire circuit  
**3** = 3-wire circuit  
**4** = 4-wire circuit  
**0.125" O.D.** (Dual circuit not available)

#### Lead Wire Construction BOX 9

	Standard	w/ SS Overbraid	w/ Flex Armor
Coil Cord 221°F (105°C)	<b>C</b>	<b>-</b>	<b>-</b>
Fiberglass Stranded 900°F (482°C)	<b>S</b>	<b>B</b>	<b>A</b>
Teflon® Stranded 392°F (200°C)	<b>T</b>	<b>D</b>	<b>F</b>

#### Sheath O.D. BOX 4

**F** = 0.125"  
**G** = 0.188"  
**H** = 0.250"  
**X** = Other (Specify)

#### Lead Wire Termination BOX 10

**P** = Standard Male Plug 350°F (177°C)      **F** = Mini Plug with Mating Jack  
**J** = Standard Female Jack      **B** = Split Leads  
**K** = Std. Plug with Mating Jack      **S** = Leads with Spade Lugs  
**D** = Mini Male Plug 350°F (177°C)      **C** = 2.5 in. with BX Connector and Spade Lugs  
**E** = Mini Female Jack

*Plugs and Jacks for 2- and 3-Wire Only*

#### Sheath Material BOX 5

**B** = 304 SS  
**C** = 316 SS

#### Handle Type BOX 11

**1** = Stainless Steel  
**2** = Teflon® 500°F (260°C)  
**3** = Bakelite 400°F (204°C)

#### Special Requirements BOX 12

**X** = Specify  
**0** = None

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

## RTD Termination Styles

### RTD Termination Styles

Style B—Plain Ends

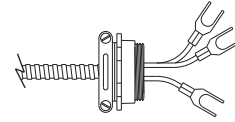
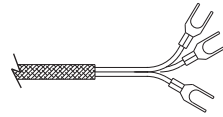
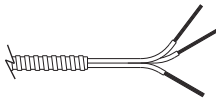
Style S—Spade Lugs

Style C—Spade Lugs with BX connector

#### Optional Termination Styles

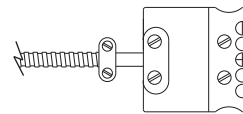
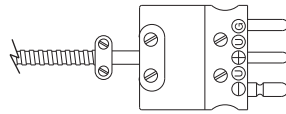
Available for the following RTDs:

Style	Page
RTD1	14-50
RTD2	14-51
RTD5	14-54
RTP	14-61 through 14-63



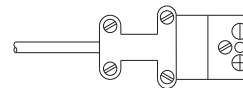
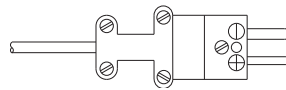
Style P—Standard Plug  
(3-wire shown)

Style J—Standard Jack  
(3-wire shown)



Style D—Miniature Plug  
(2-wire shown)

Style E—Miniature Jack  
(2-wire shown)

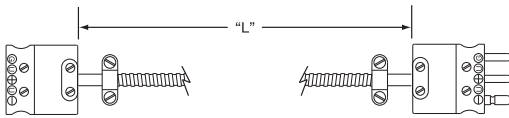


### ECR Style RTD Extension Assemblies

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

Termination 1

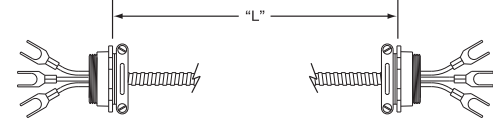
Termination 2



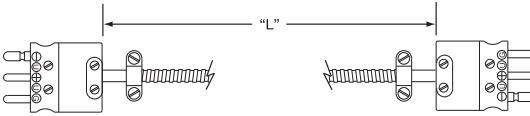
Style RJP—Jack to Plug

Termination 1

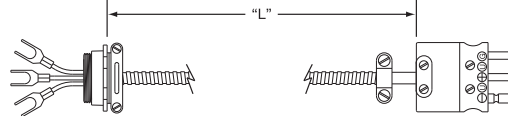
Termination 2



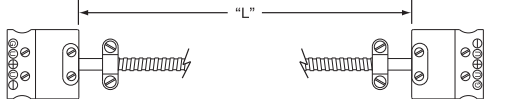
Style RCC—BX Connector to BX Connector



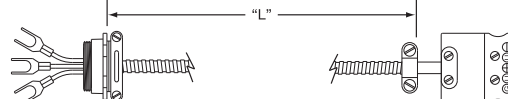
Style RPP—Plug to Plug



Style RCP—BX Connector to Plug



Style RJJ—Jack to Jack



Style RCJ—BX Connector to Jack

Ordering Code: **ECR** -

#### Number of Leads BOX 1

- 2 = 2-wire circuit
- 3 = 3-wire circuit
- 4 = 4-wire circuit\*

\*Plugs and Jacks not available

#### "L" Dimension BOX 4

Whole inches  
001 to 999

#### Termination (Specify for Both Ends) BOXES 2 & 3

- B = 2-1/2 in. Split Leads
- S = Spade Lugs
- C = Spade Lugs with BX Conn.
- P\* = Standard Plug
- J\* = Standard Jack
- D\* = Miniature Plug
- E\* = Miniature Jack
- X = Other (Specify)

\*Plugs and Jacks for 2- and 3-Wire Only

#### Lead Insulation BOX 5

	Standard	w/ SS Overbraid	w/ SS Armor Cable
Fiberglass 900°F (482°C)	S	B	A
Teflon® 392°F (200°C)	T	D	F

#### Special Requirements BOX 6

- X = Specify
- 0 = None

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