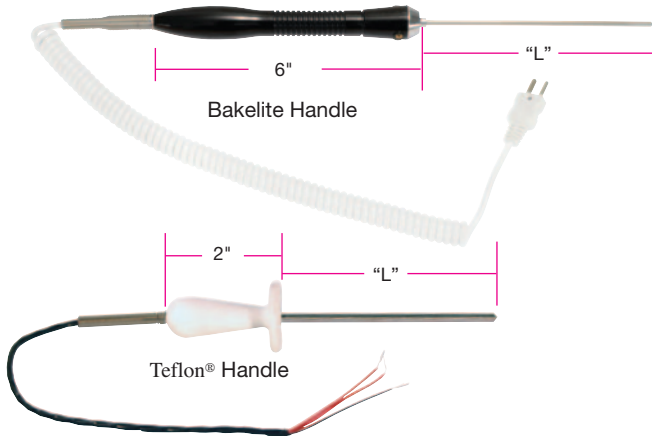


Temperature Sensing



Resistance Temperature Sensing

Style RTD5 — Handheld Probe

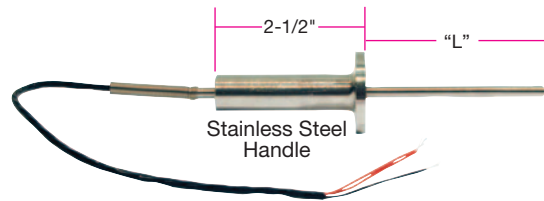


Design Features

- * **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 overbraided 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 - 1 2 3 4 5 6 7 8 9 10 11 12

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 Overbraided	w/ Flex Armor
Coil Cord 221°F (105°C)	C	-	-
Fiberglass Stranded 900°F (482°C)	S	B	A
Teflon® Stranded 392°F (200°C)	T	D	F

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.



RTD Termination Styles

RTD Termination Styles

Style B—Plain Ends

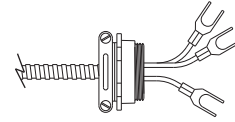
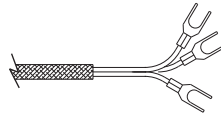
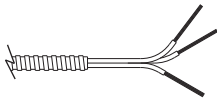
Style S—Spade Lugs

Style C—Spade Lugs with BX connector

Optional Termination Styles

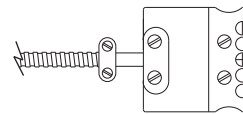
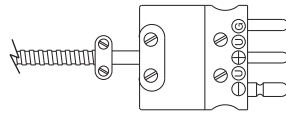
Available for the following RTDs:

Style	Page
RTD1	14-50
RTD4	14-53
RTD5	14-54
RTP	14-61 through 14-63



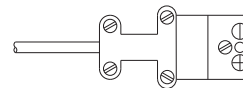
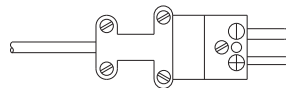
Style P—Standard Plug
(3-wire shown)

Style J—Standard Jack
(3-wire shown)



Style D—Miniature Plug
(2-wire shown)

Style E—Miniature Jack

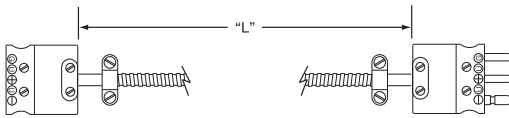


ECR Style RTD Extension Assemblies

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

Termination 1

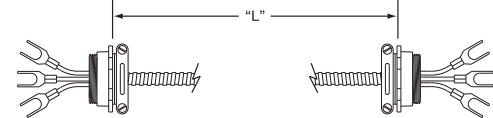
Termination 2



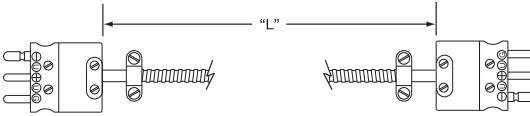
Style RJP—Jack to Plug

Termination 1

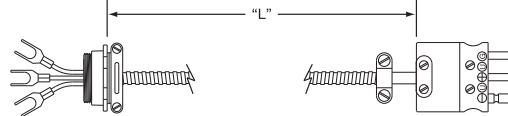
Termination 2



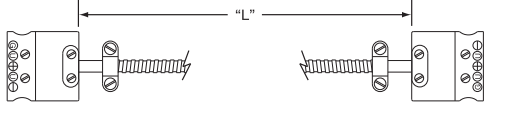
Style RCC—BX Connector to BX Connector



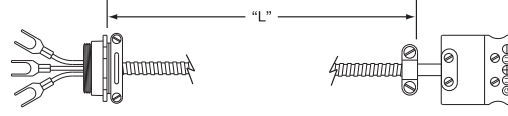
Style RPP—Plug to Plug



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

Lead Insulation BOX 5

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

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

Special Requirements BOX 6

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

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