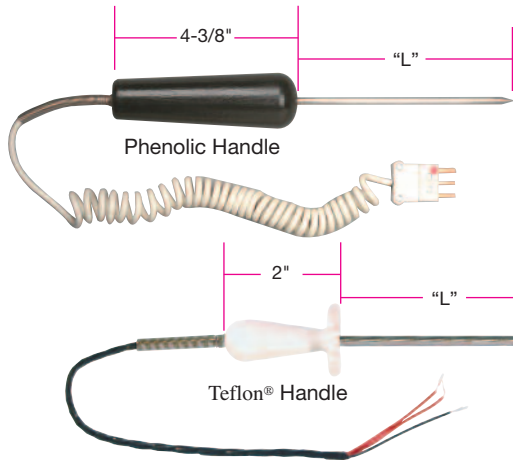


Temperature Sensing



Resistance Temperature Sensing



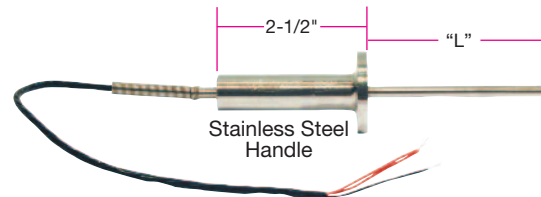
Style RTD5 — Handheld Probe

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

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)	C	B	A
Fiberglass Stranded 900°F (482°C)	S	D	F
Teflon® Stranded 392°F (200°C)	T		

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 = Phenolic 383°F (195°C)

Special Requirements BOX 12

X = Specify
0 = None

Temperature Sensing



RTD Termination Styles

RTD Termination Styles

Style B—Plain Ends

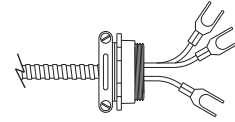
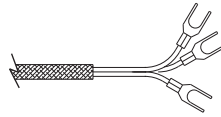
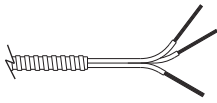
Style S—Spade Lugs

Style C—Spade Lugs with BX connector

Optional Termination Styles

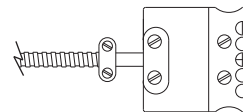
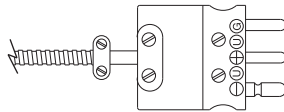
Available for the following RTDs:

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



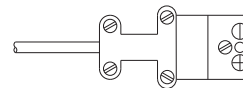
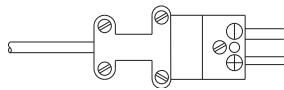
Style P—Standard Plug
(3-wire shown)

Style J—Standard Jack
(3-wire shown)



Style D—Miniature Plug
(2-wire shown)

Style E—Miniature Jack
(2-wire shown)

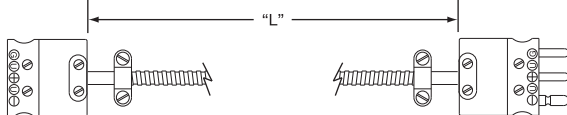


ECR Style RTD Extension Assemblies

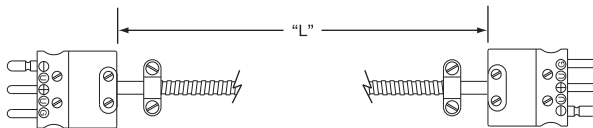
(3-wire circuits shown, 2-wire circuits also available)

Termination 1

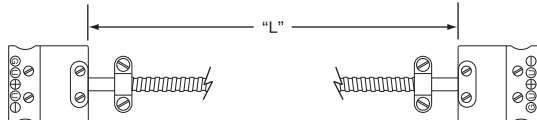
Termination 2



Style RJP—Jack to Plug



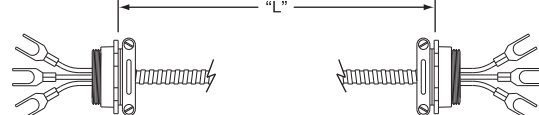
Style RPP—Plug to Plug



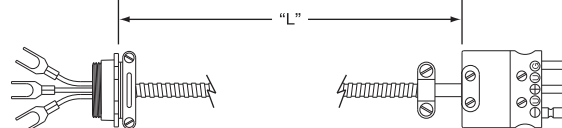
Style RJJ—Jack to Jack

Termination 1

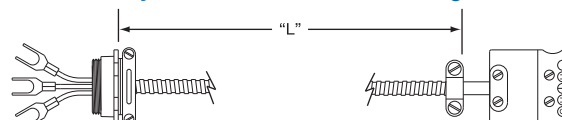
Termination 2



Style RCC—BX Connector to BX Connector



Style RCP—BX Connector to Plug



Style RCJ—BX Connector to Jack

Ordering Code: **ECR** - 1 2 3 4 5 6

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

Fiberglass 900°F (482°C)
Teflon® 392°F (200°C)

Standard
S
T

w/ SS
Overbraid
B
D

w/ SS
Armor Cable
A
F

Special Requirements BOX 6

X = Specify
0 = None