# Resistance Temperature Sensing



# Bayonet Style RTDs for the Plastics Industry

### **Design Features**

- \* 3/16" diameter stainless steel probe
- $\star$  Operating temp. 392°F (200°C): 900°F (482°C) available
- \* 3-wire circuit
- \* 100 ohms Class B element per IEC 751
- \* Can be installed wherever existing thermocouples of similar design are used

See page 14-87 for bayonet adapters and adapter installation.

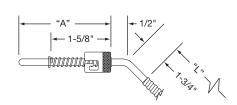
# mm?

Part Number	Termination Style <sup>†</sup>	<b>"A" Dim.</b> (in)	"L" Dim. (in)
RTP30001	S	4	48
RTP30002	C	4	48
RTP30003	P	4	48
RTP30004	J	4	48
RTP30005	В	4	48

### Style 4-Rigid 45° Bend Bayonet RTD

Style 5-Rigid 90° Bend Bayonet RTD

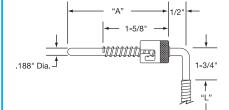
Style 3-Rigid Straight Bayonet RTD



Part Number	Termination Style <sup>†</sup>	<b>"A" Dim.</b> (in)	"L" Dim. (in)
RTP40001	S	4	48
RTP40002	C	4	48
RTP40003	P	4	48
RTP40004	J	4	48
RTP40005	В	4	48

# **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.



Part Number	Termination Style <sup>†</sup>	<b>"A" Dim.</b> (in)	"L" Dim. (in)
RTP50001	S	4	48
RTP50002	C	4	48
RTP50003	P	4	48
RTP50004	J	4	48
RTP50005	В	4	48

See Page 14-64 for Termination Style descriptions.

See Page 14-64 for

Termination Style

Plugs and Jacks for

2- and 3-Wire Only

descriptions.

# **Custom Made Bayonet Style RTDs**

# Ordering Code:

Style BOX 1

**RTP** 

3 = Straight $4 = 45^{\circ}$  Bend  $5 = 90^{\circ}$  Bend

# Element BOX 2

 $S = 100\Omega$  Single  $\mathbf{D} = 100\Omega$  Dual

### **Element Class** BOX 3

 $A = \pm 0.06\%$  at 0°C, Optional  $\mathbf{B} = \pm 0.12\%$  at 0°C, Standard

# Number of Leads BOX 4

- 2 = 2-wire circuit
- 3 = 3-wire circuit
- 4 = 4-wire circuit\*
- \*Not available with dual element

# "A" Dimension BOX 5

Whole inches

**01** to **99** (1-3/4 in. min.)

### "A" Dimension BOX 6

Fractional inches

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

5 = 5/8" 2 = 1/4"

"L" Dimension BOX 7

Whole inches 000 to 999

### Termination BOX 9 †

 $\mathbf{B} = 2-1/2$  in. Split Leads

S = Spade Lugs

C =Spade Lugs with BX Conn.

P = Standard Plug J = Standard Jack

**K** = Standard Plug and Jack

**D** = Miniature Plug

**E** = Miniature Jack

**F** = Mini. Plug and Jack X = Other (Specify)

# Special Requirements BOX 10

X = Specify

0 = None

### Lead Insulation BOX 8

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

Standard w/ SS Overbraid w/ SS Armor Cable S В

D

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

F