

Adjustable T/C, Bayonet or Compression

Adjustable Depth Immersion Thermocouple with Bayonet Lock or Compression Attachment

Introduction

A compression fitting, or a compression mounted bayonet spring assembly allows user to determine final immersion depth. Minimum recommended bayonet spring compression is 1/4". The bayonet spring assembly is available only with 1/8" o.d. probe; compression fitting is available with either 1/8" o.d. or 3/16" o.d. probe.

Features

- Thermocouple at Tip of Probe for Maximum Heat Transfer
- Maximum 900°F Over Probe and Tube

Ordering Information

Model No. P - - - **00**
 Field No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Schedule: S2

Field 1. BASE MODEL

P - Plastics industry

Fields 2, 3. THERMOCOUPLE TYPE

Fiberglass insulation unless otherwise stated.

☞ Determine length (Y + L) by completing Fields 7; and 10, 11, 12

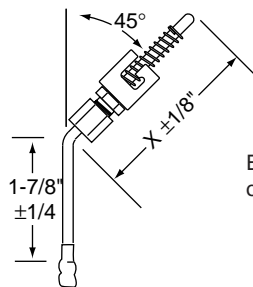
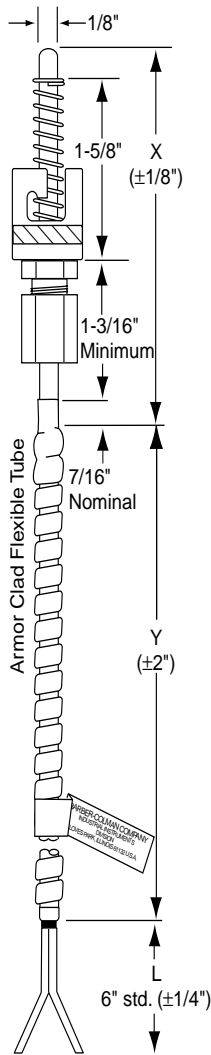
Type	Description	18 to 36"	Each Add'l 6"
01 - J	20 gauge, solid		
02 - J	24 gauge, solid		
07 - J	20 gauge, stainless steel overbraid		
11 - J	20 gauge, strand, stainless steel overbraid		
05 - K	20 gauge, solid		
08 - K	20 gauge, stainless steel overbraid		

Several other wire codes are available. See Table 1 on page 2-10 for a complete listing. Compatibility of wire and junction styles is listed in Table 2 on page 2-11.

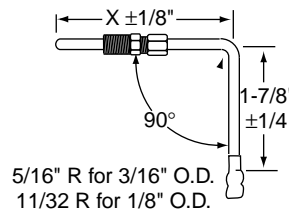
Field 4. NUMBER OF ELEMENTS, PROBE CONFIGURATION

Complete Fields 5, 6; then check compatibility Table 2 at the front of this section

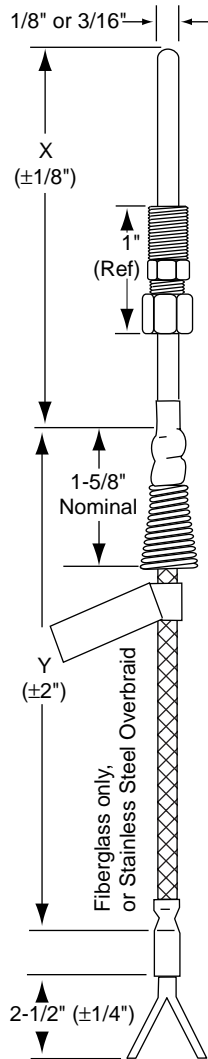
- 1 - Single element, straight.
- 2 - Single element, 90°.
- 3 - Single element, 45°.
- 4 - Dual element, straight. Return to Fields 2, 3, double that price
- 5 - Dual element, 90°. Return to Fields 2, 3, double that price and add
- 6 - Dual element, 45°. Return to Fields 2, 3, double that price and add



Either fitting available on either configuration.



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Fields 5, 6. JUNCTION STYLE, PROBE O.D., LEAD PROTECTION

☞ Determine length by completing Fields 10, 11, 12

21 - Closed end, grounded	1/8"	no flexible tube
23 - Closed end, grounded	1/8"	flexible tube
30 - Open end, grounded	3/16"	no flexible tube
31 - Closed end, grounded	3/16"	no flexible tube
32 - Open end, grounded	3/16"	flexible tube
33 - Closed end, grounded	3/16"	flexible tube
34 - Closed end, ungrounded	3/16"	no flexible tube
35 - Closed end, ungrounded	3/16"	flexible tube

18 to 36"

Ea Add'l 6"

Field 7. COLD END TERMINATION

- 0 - 2-1/2" split leads, ends stripped
- 1 - 2-1/2" split leads, spade lugs
- 2 - 2-1/2" split leads, spade lugs, 1/2" NPS box connector with lock nut
- 3 - Solid pin quick disconnect plug(s)
- 4 - Solid pin quick disconnect plug(s) with mating jack(s)
- 7 - Quick disconnect jack(s)
- C - Hollow pin quick disconnect plug(s), Type J only
- D - Hollow pin quick disconnect plug(s) with jack(s), Type J only

Single Element

Dual Element

Extended Lead (DIMENSION "L")

☞ Complete this Field to determine length for Fields 2, 3

- F - 12", split ends stripped
 - G - 24", split ends stripped
 - H - 48", split ends stripped
 - J - 96", split ends stripped
 - K - 144", split ends stripped
- For other lengths, consult factory

Fields 8, 9. RIGID LENGTH (DIMENSION "X")

XX - Enter "X" length in whole inches

1 to 6" Ea. Add'l 6"

Fields 10, 11, 12. FLEXIBLE LENGTH (DIMENSION "Y")

☞ Complete these Fields to determine length for Fields 2, 3; and 5, 6

YYY - Enter "Y" length in whole inches; minimum 018"

Field 13. ATTACHING DEVICE

- 0 - None
- 2 - 1/8" NPT compression fitting, nickel plated brass
- 3 - 1/8" NPT compression fitting, stainless steel
- 4 - Adjustable bayonet, 1/8" tube only ("X" must be at least 3")

Fields 14, 15. RESERVED

EZ Price

The most often ordered assemblies are:

(Prices based on "Y" dimension and assume an "X" dimension of 6" or less)

With Flexible Tube

18 to 36"

Ea. Add'l 6"

P011-330XX-YYY-2-00 with stripped leads

P011-331XX-YYY-2-00 with spade lugs

P011-333XX-YYY-2-00 with quick disconnect plug

With Stainless Steel Overbraid

P111-310XX-YYY-2-00 with stripped leads

P111-311XX-YYY-2-00 with spade lugs

P111-313XX-YYY-2-00 with quick disconnect plug