

Rigid T/C, Fixed or Adjustable

Rigid Tube Thermocouples Fixed or Adjustable Depth Immersion

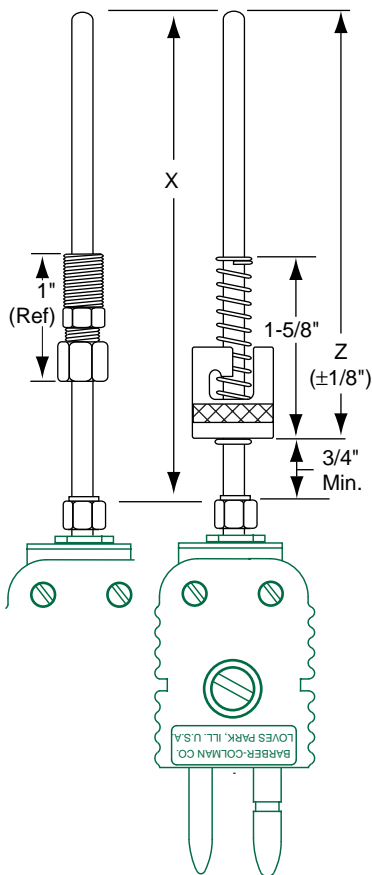
Introduction

Thermocouple wire is duplex insulated, temperature rated to 900°F except Type T which is limited to 700°F. These temperatures do not apply to cold end termination. Standard junction style is closed and grounded. Type K has a welded tip; others are silver soldered tipped probes for faster response.

Features

- Thermocouple at Tip of Probe for Maximum Heat Transfer
- Maximum 900°F Over Probe and Tube, except Type T is 700°F

Ordering Information



Model No. P - - 0 0 0 - -

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

☛ Determine length by completing Fields 8, 9

Type	Description	Each 6"
01 - J	20 gauge, solid	
02 - J	24 gauge, solid	
12 - J	20 gauge, strand	
60 - J	20 gauge, solid, special limits	
05 - K	20 gauge, solid	
62 - K	20 gauge, solid, special limits	

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

- 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

Note: Dual element applicable to 24 gauge only.

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

Check compatibility Table 2 at beginning of this section

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

Note: Dual element has common junction.

Field 7. COLD END TERMINATION

**Single
Element**

**Dual
Element**

- 3 - Solid pin quick disconnect plug(s)
 - 4 - Solid pin quick disconnect plug(s) with mating jack(s)
 - 7 - Quick disconnect jack(s)
 - 8 - Miniature plastic weatherproof head
 - A - 3" lead with 1/4" stripped ends, no spring or ferrule;
or, specify lead length on order.*
 - B - 2-1/2" lead with lugs, no spring or ferrule;
or, specify lead length on order.*
 - C - Hollow pin quick disconnect plug(s), Type J only
 - D - Hollow pin quick disc. plug(s) with jack(s), Type J only
- *Get price from Table 1 at beginning of this section.
Double that price for dual element.

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

1 to 6"

Ea. Add'l 6"

XX - Enter "X" length in whole inches.

Fields 10, 11, 12. RESERVED

Field 13. ATTACHING DEVICE

- 0 - None
- 2 - 1/8" NPT compression fitting, nickel plated brass
- 3 - 1/8" NPT compression fitting, stainless steel
- 4 - Fixed bayonet fitting on 3/16" tube, or
adjustable bayonet on 1/8" tube ("X" must be at least 3")

Note: maximum pressure 100 psi for compression fittings

Fields 14, 15. LOCK DEPTH (DIMENSION "Z")

00 - None. Compression fitting or adjustable bayonet.

ZZ - Fixed bayonet styles, see table below. First 6"

Each 6" after first 6"

01 1-1/2"	04 3"	31 4-3/8"	10 6"
14 1-5/8"	23 3-1/8"	07 4-1/2"	41 6-1/8"
15 1-3/4"	24 3-1/4"	32 4-5/8"	42 6-1/4"
16 1-7/8"	05 3-1/2"	33 4-3/4"	43 6-3/8"
02 2"	25 3-3/8"	34 4-7/8"	11 6-1/2"
17 2-1/8"	05 3-1/2"	08 5"	44 6-5/8"
18 2-1/4"	26 3-5/8"	35 5-1/8"	45 6-3/4"
19 2-3/8"	27 3-3/4"	36 5-1/4"	46 6-7/8"
03 2-1/2"	28 3-7/8"	37 5-3/8"	12 7"
20 2-5/8"	06 4"	09 5-1/2"	47 7-1/8"
21 2-3/4"	29 4-1/8"	38 5-5/8"	48 7-1/4"
22 2-7/8"	30 4-1/4"	39 5-3/4"	49 7-3/8"
99 - Not listed; specify on order		40 5-7/8"	13 7-1/2"