

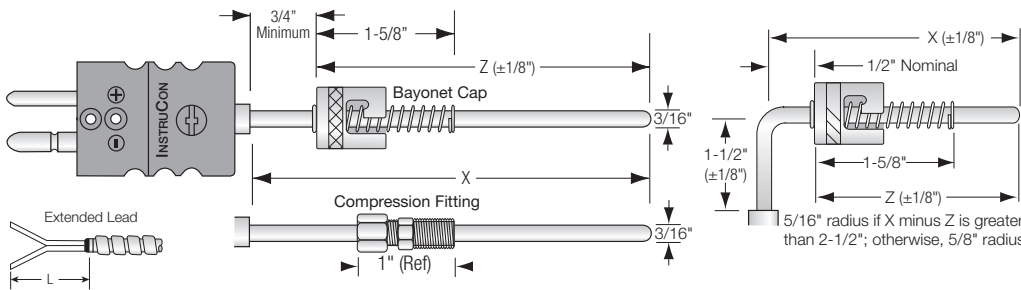
Rigid T/C | Fixed or Adjustable

Rigid Tube Thermocouples Fixed or Adjustable Depth Immersion

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



Bayonet Adapters for use with Thermocouple Bayonet Caps

Model Number	Length	Thread
A-2709-1	13/16"	1/8 NPT
A-3076-1	15/16"	3/8-24
A-4017	1	1/8 NPT
A-3077-1	1-1/2"	1/8 NPT
A-3179	1-1/2"	3/8-24
A-3092-1	2"	1/8 NPT

See Wire & Accessories section for more custom sizes.

Code	Field 8, 9: Rigid Length
XX	Dimension "X" (Specify XX in whole inch increments, using two digits) NOTE: If over 98", specify 99 = "length" on order

Code	Field 1: Type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Code	Fields 10,11,12:
P	Plastics Industry Thermocouples										0	0	0				00	Reserved

Field 2, 3: Thermocouple Type				Wire Type Code				Field 4: Number of Elements Compatibility based on Fields 5, 6. S = S, D = D, S/D = Single and Dual, S/D(#)= Dual for Wire Code in parenthesis				
Ga.	Limits	Const.	Insulation	J	K	E	T					
18	Standard	Stranded	Fiberglass	09								
20	Standard	Solid	Fiberglass	01	05	17	06		S/D	S/D	S	
			Fiberglass w/SS	07	08			S	S	S		
		Stranded	Fiberglass w/SS	11					S	S		
			Fiberglass	12	20				S	S		
	Special	Solid	Teflon (400° F)	25					S	S/D	S/D	S/D
			Fiberglass	60	62		64		S/D	S/D	S	
24	Standard	Solid	Fiberglass	02	19	18	14	S	S/D	S/D	S/D	
			Fiberglass w/SS	13	24			S	S/D	S/D	S/D	
		Stranded	Fiberglass w/SS	15					S	S/D	S/D	S
			Fiberglass	26					S	S/D	S/D	S/D
	Special	Solid	Fiberglass	61	63				S	S/D	S/D	D

Code	Field 7: Cold End Termination
3	Solid pin quick disconnect plug
4	Solid pin quick disconnect plug and mating jack
7	Quick disconnect jack
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
D	Hollow pin quick disconnect plug and mating jack
9	Other - Consult Factory
Code	Extended Lead Dimension "L"
F	12" extended lead, stripped ends
G	24" extended lead, stripped ends
H	48" extended lead, stripped ends
J	96" extended lead, stripped ends
K	144" extended lead, stripped ends

Field 14,15: Immersion (Dimension "Z")			
Code	"Z"	Code	"Z"
00	If using Compression Fitting		
01	1-1/2"	08	5"
14	1-5/8"	35	5-1/8"
15	1-3/4"	36	5-1/4"
16	1-7/8"	37	5-3/8"
02	2"	09	5-1/2"
17	2-1/8"	38	5-5/8"
18	2-1/4"	39	5-3/4"
19	2-3/8"	40	5-7/8"
03	2-1/2"	10	6"
20	2-5/8"	41	6-1/8"
21	2-3/4"	42	6-1/4"
22	2-7/8"	43	6-3/8"
04	3"	11	6-1/2"
23	3-1/8"	44	6-5/8"
24	3-1/4"	45	6-3/4"
25	3-3/8"	46	6-7/8"
05	3-1/2"	12	7"
26	3-5/8"	47	7-1/8"
27	3-3/4"	48	7-1/4"
28	3-7/8"	49	7-3/8"
06	4"	13	7-1/2"
29	4-1/8"		
30	4-1/4"		
31	4-3/8"		
07	4-1/2"		
32	4-5/8"		
33	4-3/4"		
34	4-7/8"		

For lengths not listed, enter "99" and specify on order 99 = "Length"

Field 4	Code	Number of Elements, Probe Configuration
	1	Single element
	2	Single element, 90°
	3	Single element, 45°
	4	Dual element
	5	Dual Element, 90°
	6	Dual Element, 45°

(See Field 2 & 3 Chart for compatibility)
Dual Element has common junction.

Fields 5,6	Code	Junction Style	Lead Protection	Probe O.D.
	21	Closed end, grounded	None	0.125"
	30	Open end grounded	None	0.188"
	31	Closed end grounded	None	0.188"
	34	Closed end, ungrounded	None	0.188"

(See Field 2 & 3 Chart for compatibility)

Code	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, 1/8" tube only ("X" must be at least 3")

Note: maximum pressure 100 psi for code 2 & 3

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Common Model Numbers

(The numbers below are just some of the more common numbers for this product. There are too many combinations to list them all.)

P011-21806-000-2-00	P011-31812-000-2-00	P012-34400-000-4-01	P021-21806-000-2-00	P061-31944-000-2-00
	P011-31830-000-2-00	P012-34400-000-4-14	P022-21D04-000-2-00	P061-31976-000-2-00
P011-31302-000-2-00				
P011-31304-000-3-00	P011-31A08-000-0-00	P014-31312-000-2-00	P022-31305-000-4-06	
P011-31306-000-2-00	P011-31A11-000-0-00	P014-31812-000-2-00		
P011-31306-000-3-00	P011-31C03-000-2-00		P025-31300-000-4-99	
P011-31309-000-3-00		P021-21312-000-3-00	P025-31309-000-4-99	
	P012-31305-000-4-05	P021-21312-000-4-00		
P011-31412-000-2-00		P021-21403-000-3-00	P051-31D05-000-2-00	
	P012-31403-000-4-18	P021-21406-000-3-00	P051-34430-000-2-00	
P011-31805-000-2-00	P012-31405-000-4-07	P021-21410-000-4-00		
P011-31806-000-2-00	P012-31405-000-4-26	P021-21805-000-3-00	P052-31303-000-3-00	