

Fixed T/C, Bayonet

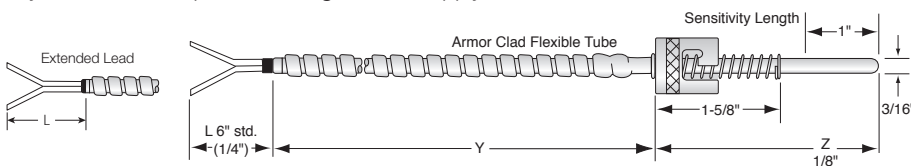
Fixed Depth Immersion Thermocouple with Bayonet Lock Cap

Bayonet thermocouples have a compressible spring and locking cap for quick insertion and detachment. They are available with no protection tube (insulation only), armor clad flexible tube, or stainless steel overbraid. All are light weight for easy connection to an instrument or a distant junction box. Closed end tubes are silver soldered for Types J, T and E; and welded for Type K.

Bayonet thermocouples are generally rated for service to 900°F under dry conditions; temperature rating does not apply to cold end terminations.

Features

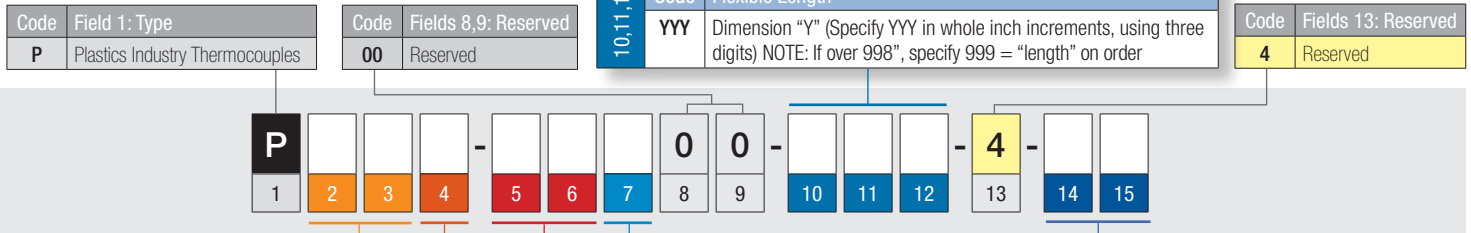
- Locking Cap/Spring for Quick and Easy Attachment/Detachment
- Compressed Spring Holds Rigid Probe Firmly Against Well Bottom
- Thermocouple at Tip of Probe for Maximum Heat Transfer
- Maximum 900°F Over Probe and Tube



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.



Field 2, 3: Thermocouple Type				Wire Type Code				Field 4: Number of Elements Compatibility based on Fields 5, 6.										
Ga.	Limits	Const.	Insulation	J	K	E	T	S = S, D = D, S/D = Single and Dual, S/D(#)= Dual for Wire Code in parenthesis										
18	Standard	Stranded	Fiberglass	09				S	S	S	S							
20	Standard	Solid	Fiberglass	01	05	17	06	S/D	S/D	S/D	S/D	S	S					
			Fiberglass w/SS	07	08			S	S		S	S	S					
		Stranded	Fiberglass w/SS	11				S	S		S							
			Fiberglass	12	20			S	S	S	S							
	Special	Solid	Teflon (400° F)	25				S/D	S/D	S/D	S/D	S/D	S/D					
24	Standard	Solid	Fiberglass	02	19	18	14	S/D	S/D	S/D	S/D	S/D	S/D	S/D				
			Fiberglass w/SS	13	24			S/D	S/D	S/D	S/D	S/D	S/D	S/D(24)				
		Stranded	Fiberglass w/SS	15				S/D	S/D	S/D	S/D	S	S/D					
			Fiberglass	26				S/D	S/D	S/D	S/D	S/D	S/D					
	Special	Solid	Fiberglass	61	63			S/D	S/D	S/D	S/D	D	D					
w/SS = With Stainless Steel Overbraid				Flex Tube				No	No	Yes	Yes	No	Yes					
Type J - Rated at 900°F except Teflon insulated (code 25) rated at 400°F Type K & E - Rated at 900°F; Type T, 20 GA. Rated at 500°F; 24 GA. Rated at 400°F				Tip				(G) Grounded (U) Ungrounded	G	G	G	G	U	U				
								(O) Open (C) Closed	O	C	O	C	C	C				
				Probe O.D.				.188"	.188"	.188"	.188"	.188"	.188"					
Field 5, 6 Code:				30	31	32	33	34	35									

Code	Field 7: Cold End Termination
0	2-1/2 inch split leads, ends stripped
1	2-1/2 inch split leads, spade lugs
2	2-1/2 inch split leads, lugs and box connector
3	Solid pin quick disconnect plug
4	Solid pin quick disconnect plug and mating jack
7	Quick disconnect jack
C	Hollow pin quick disconnect plug
D	Hollow pin quick disconnect plug and mating jack
M	Miniature quick disconnect plug
N	Miniature quick disconnect and mating jack
Q	Miniature jack
9	Other - Consult Factory
Code	Extended Lead Dimension "L"
F	12" extended lead, stripped ends L=12"
G	24" extended lead, stripped ends L=24"
H	48" extended lead, stripped ends L=48"
J	96" extended lead, stripped ends L=96"
K	144" extended lead, stripped ends L=144"

Field 14,15: Immersion (Dimension "Z")			
Code	"Z"	Code	"Z"
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"		

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)

Fields 5,6	Code	Junction Style, Lead Protection, Probe O.D.
	30	Open end grounded, no flexible armor, 3/16" Probe O.D.
	31	Closed end grounded, no flexible armor, 3/16" Probe O.D.
	32	Open end grounded, flexible armor, 3/16" Probe O.D.
	33	Closed end, grounded, flexible armor, 3/16" Probe O.D.
	34	Closed end, ungrounded, no flexible armor, 3/16" Probe O.D.
	35	Closed end, ungrounded, flexible armor, 3/16" Probe O.D.
		(See Field 2 & 3 Chart for compatibility)

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

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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.)

P011-31300-025-4-02	P012-33000-080-4-02	P012-33300-120-4-03	P015-33000-512-4-37	P091-33300-144-4-49
P011-33000-024-4-09	P012-33000-084-4-05	P012-33300-120-4-04		
P011-33000-054-4-03	P012-33000-096-4-03	P012-33300-144-4-06	P015-33300-012-4-05	P093-33000-240-4-03
P011-33000-078-4-03	P012-33000-120-4-03	P012-33300-144-4-07	P015-33300-036-4-03	
P011-33000-120-4-06	P012-33000-120-4-34	P012-33300-164-4-06	P015-33300-072-4-02	P093-33000-240-4-28
P011-33000-120-4-27	P012-33000-144-4-08	P012-33300-164-4-07	P015-33300-072-4-03	
P011-33000-180-4-21	P012-33000-168-4-24	P012-33300-190-4-03	P015-33300-072-4-04	P111-31C00-100-4-16
P011-33000-600-4-28	P012-33000-180-4-26	P012-33300-191-4-06	P015-33300-096-4-03	
P011-33100-024-4-99		P012-33300-191-4-07	P015-33300-160-4-36	P112-31100-360-4-03
P011-33100-072-4-04	P012-33100-024-4-03	P012-33300-240-4-03	P015-33300-190-4-03	P112-31100-360-4-10
P011-33100-096-4-02	P012-33100-048-4-02	P012-33300-360-4-03		
P011-33100-120-4-06	P012-33100-048-4-03	P012-33300-360-4-23	P025-33000-512-4-99	P112-31C00-060-4-02
P011-33100-600-4-22	P012-33100-060-4-01	P012-33300-360-4-48		P112-31C00-060-4-08
P011-33200-024-4-09	P012-33100-072-4-02		P025-35100-120-4-04	P112-31C00-080-4-08
P011-33200-048-4-02	P012-33100-072-4-04	P012-33400-024-4-02		P112-31C00-084-4-07
P011-33200-048-4-09	P012-33100-090-4-02	P012-33400-024-4-06	P026-35000-048-4-02	P112-31C00-096-4-19
P011-33200-072-4-02	P012-33100-090-4-04	P012-33400-024-4-13		P112-31C00-100-4-08
P011-33200-096-4-02	P012-33100-096-4-03		P051-33100-120-4-05	P112-31C00-120-4-02
P011-33200-120-4-02	P012-33100-120-4-03	P012-33700-005-4-29	P051-33300-072-4-09	P112-31C00-136-4-28
P011-33200-120-4-35	P012-33100-120-4-06			
P011-33200-180-4-02	P012-33100-144-4-06	P012-33900-360-4-03	P052-33000-084-4-04	P112-33300-060-4-03
P011-33200-180-4-35	P012-33100-180-4-32		P061-33300-060-4-13	P112-33300-060-4-06
P011-33200-216-4-02	P012-33100-240-4-03	P012-33C00-018-4-03		P112-33300-120-4-03
		P012-33C00-080-4-02	P071-31C00-078-4-04	P112-33300-180-4-04
		P012-33C00-084-4-02	P071-31C00-116-4-04	
			P071-31C00-146-4-04	P112-33C00-096-4-03
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P011-33300-036-4-25	P012-33200-048-4-03		P071-33100-048-4-99	P121-31000-120-4-08
P011-33300-048-4-03	P012-33200-048-4-30	P012-33G00-360-4-03	P071-33100-084-4-48	
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P011-33300-060-4-10	P012-33200-072-4-10			
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P011-33300-072-4-99	P012-33200-180-4-02	P012-35000-096-4-07		P121-31000-180-4-09
P011-33300-120-4-09		P012-35000-144-4-04	P071-34300-120-4-02	P122-31000-180-4-09
P011-33300-240-4-18	P012-33300-012-4-03	P012-35000-144-4-14	P071-34300-120-4-04	P122-33000-060-4-12
	P012-33300-018-4-03	P012-35000-192-4-18	P071-34300-120-4-06	P122-33100-036-4-05
P011-33400-004-4-10	P012-33300-018-4-06		P071-34300-120-4-07	P122-33100-096-4-05
	P012-33300-036-4-03	P012-35300-096-4-01	P071-34300-120-4-09	
P011-33G00-360-4-03	P012-33300-048-4-09	P012-35300-096-4-14		P122-33300-036-4-04
	P012-33300-060-4-01		P072-31100-036-4-99	P123-33000-072-4-03
P011-34100-024-4-09	P012-33300-060-4-02	P012-35400-024-4-10		
	P012-33300-060-4-05		P072-31300-072-4-08	P122-33300-036-4-04
P011-35000-048-4-04	P012-33300-060-4-06	P013-33200-072-4-02		P123-33000-072-4-03
	P012-33300-060-4-18		P072-33000-060-4-03	
P011-35100-276-4-02	P012-33300-072-4-02	P013-33300-060-4-99		P123-33G00-018-4-07
	P012-33300-072-4-03		P072-33300-048-4-04	P152-33300-084-4-15
P012-31000-200-4-07	P012-33300-072-4-05	P013-35100-192-4-02	P072-33300-048-4-40	
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P012-33000-078-4-03	P012-33300-100-4-06	P015-33000-140-4-04	P081-31000-018-4-16	