

# Varidepth® T/C, Spring Style



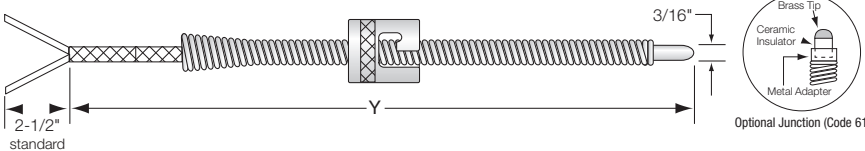
Adjustable Depth Immersion Thermocouple, Spring Style with Bayonet Lock Cap

The Varidepth thermocouple adjusts to many depths eliminating the need to stock a variety of fixed immersion length sensors. The locking cap rotates on the flexible spring achieving locking force that keeps the probe tip tight against the bottom of the adapter well.

Varidepth thermocouples are available in Types J, K, T and E. Grounded Type K thermocouples have a welded tip; grounded Types J, T and E thermocouples have silver soldered tipped probes for faster response.

### Features

- Locking Cap Adjusts Easily to Any Position On Flexible Spring
- Compressed Tube Holds Rigid Probe Firmly Against Well Bottom
- Thermocouple at Tip of Probe for Maximum Heat Transfer
- Maximum 750°F Over Probe



Bayonet Adapters for use with Thermocouple Bayonet Caps

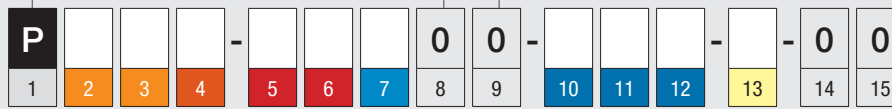
Model Number	Length	Thread
A-2709-1	13/16"	1/8 NPT
A-3076-1	15/16"	3/8-24
A-4017	1"	1/8 NPT
A-3077-1	1-1/2"	1/8 NPT
A-3179	1-1/2"	3/8-24
A-3092-1	2"	1/8 NPT

See Wire & Accessories section for more custom sizes.

Code	Field 1: Type
P	Plastics Industry Thermocouples

Code	Fields 8,9: Reserved
00	Reserved

Code	Fields 14,15: Reserved
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 & Dual		
Ga.	Limits	Const.	Insulation	J	K	E	T			
18	Standard	Stranded	Fiberglass	09				S		
20	Standard	Solid	Fiberglass	01	05	17	06	S/D	S	S
			Fiberglass w/SS	07	08			S	S	S
			Fiberglass w/SS	11				S		
		Stranded	Fiberglass	12	20			S		
			Teflon (400° F)	25				S/D	S/D	S
Special	Solid	Fiberglass	60	62		64	S/D	S	S	
24	Standard	Solid	Fiberglass	02	19	18	14	S/D	S/D	S
			Fiberglass w/SS	13	24			S/D	S/D	S
		Stranded	Fiberglass w/SS	15				S/D	S	S
			Fiberglass	26				S/D	S/D	S
Special	Solid	Fiberglass	61	63			S/D	D	S	
w/SS = With Stainless Steel Overbraid				Flex Tube			No	No	No	
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	U	G		
					(O) Open (C) Closed	C	C	C		
					Probe O.D.			.188"	.188"	.188"
				Field 5, 6 Code:			31	34	61	

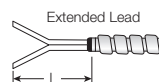
Field 13	Code	Spring and Lock Cap
Field 13	A	6" spring standard lock cap
	B	12" spring standard lock cap
	C	6" spring 12 mm metric lock cap
	D	12" spring 12 mm metric lock cap
	E	6" spring 15 mm metric lock cap
	F	12" spring 15 mm metric lock cap

10, 11, 12	Code	Flexible Length
10, 11, 12	YYY	Dimension "Y" (Specify YYY in whole inch increments, using three digits) NOTE: If over 998", specify 999 = "length" on order

Field 7	Code	Cold End Termination
Field 7	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	
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 4	Code	Number of Elements, Probe Configuration
Field 4	1	Single element
	4	Dual element (See Field 2 & 3 Chart above for compatibility)

Fields 5,6	Code	Junction Style, Lead Protection, Probe O.D.
Fields 5,6	31	Closed end grounded, no flexible armor, 3/16" O.D.
	34	Closed end, ungrounded. Single element only, 3/16" O.D. (See Field 2 & 3 Chart above for compatibility)
	61	Thermally isolated grounded junction, Single Elements Only



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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.)

P011-31100-048-A-00	P111-31000-027-D-00	P111-31100-180-A-00	P111-31C00-048-B-00	P151-31000-120-B-00
P011-31100-144-B-00	P111-31000-036-A-00	P111-31100-180-C-00	P111-31C00-072-B-00	P151-34000-048-B-00
	P111-31000-072-A-00	P111-31100-192-B-00	P111-31C00-096-A-00	P151-34000-300-B-00
P011-31300-072-A-00	P111-31000-120-B-00	P111-31100-204-B-00	P111-31C00-096-B-00	
	P111-31000-156-B-00	P111-31100-228-B-00	P111-31C00-108-B-00	
P051-34000-144-A-00	P111-31000-372-B-00	P111-31100-240-B-00		P151-34300-120-B-00
	P111-31000-612-B-00	P111-31100-240-C-00	P111-31F00-240-B-00	P151-34300-180-B-00
	P111-31000-972-B-00	P111-31100-264-B-00	P111-31F00-360-B-00	
P071-31000-072-A-00		P111-31100-300-B-00		P151-34C00-096-B-00
P071-31000-072-B-00	P111-31100-030-B-00	P111-31100-312-B-00	P111-34200-120-B-00	
P071-31000-120-B-00	P111-31100-036-B-00	P111-31100-360-B-00	P111-34200-168-B-00	P154-31100-096-B-00
P071-31000-240-B-00	P111-31100-048-A-00	P111-31100-432-B-00	P111-34200-192-B-00	P154-31100-144-B-00
P071-31100-060-B-00	P111-31100-048-B-00	P111-31100-480-B-00	P111-34200-216-B-00	P154-31100-192-B-00
P071-31100-144-B-00	P111-31100-048-C-00		P111-34200-240-B-00	P154-31100-240-B-00
P071-31100-360-F-00	P111-31100-060-B-00	P111-31200-024-B-00	P111-34200-288-B-00	P154-31100-288-B-00
P071-31300-072-A-00	P111-31100-060-C-00	P111-31200-096-B-00		
P071-31300-120-A-00	P111-31100-072-B-00	P111-31200-120-B-00	P111-61C00-048-A-00	P154-31300-036-B-00
P071-31300-240-A-00	P111-31100-072-D-00		P111-61C00-084-A-00	P154-31300-180-B-00
P071-31700-120-B-00	P111-31100-084-B-00	P111-31300-030-A-00	P111-61C00-096-A-00	
P071-31900-160-F-00	P111-31100-108-C-00	P111-31300-048-A-00	P111-61C00-120-A-00	P154-34900-024-B-00
P071-34000-072-A-00	P111-31100-120-A-00	P111-31300-060-A-00		
P071-34100-192-B-00	P111-31100-120-B-00	P111-31300-084-A-00	P131-31000-072-B-00	P241-34100-048-B-00
	P111-31100-120-C-00	P111-31300-096-B-00	P131-31000-300-A-00	
P081-31100-060-B-00	P111-31100-132-C-00	P111-31300-120-A-00		P244-31100-204-B-00
P081-31100-144-B-00	P111-31100-144-B-00	P111-31300-120-B-00	P131-34000-120-D-00	
P081-31100-204-B-00	P111-31100-148-C-00	P111-31300-120-D-00	P131-34200-192-B-00	
P081-31100-300-B-00	P111-31100-156-B-00	P111-31300-168-A-00	P131-34200-216-B-00	
P081-31700-120-B-00	P111-31100-168-B-00	P111-31300-216-B-00		