

T/C, Straight Metal

Thermocouple, Metal (Thin Wall) Tube, Straight

Introduction

Offers the same functionality and features as other industrial sensors described on previous pages, except will accommodate wire only down to 14 gauge.

For high performance and added flexibility, we suggest you consider our BARCOPAC MgO insulated thermocouples illustrated in Section 4.

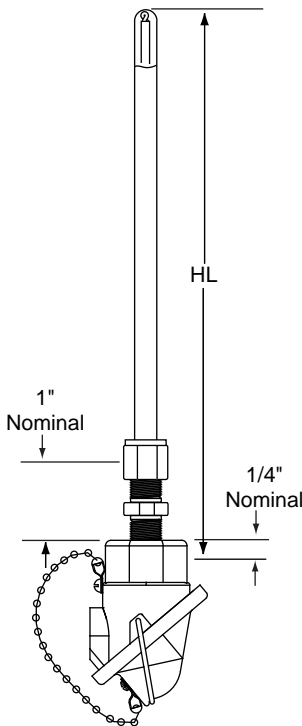
This thermocouple can be mounted to the process with compression attaching device.

Ordering Information

Model No. - - **0** -

Field No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Schedule: S2



Fields 1, 2, 3. THERMOCOUPLE TYPE; WIRE GAUGE

Determine length by completing Fields 8, 9

Type	Wire	Gauge	Limits	12" Min.	Ea. Add'l 6"
J14 -	J	Iron-Constantan	14	standard	
J15 -	J	Iron-Constantan	14	special	
J20 -	J	Iron-Constantan	20	standard	
J21 -	J	Iron-Constantan	20	special	
K14 -	K	Chromel-Alumel	14	standard	
K15 -	K	Chromel-Alumel	14	special	
K20 -	K	Chromel-Alumel	20	standard	
K21 -	K	Chromel-Alumel	20	special	
E14 -	E	Chromel-Constantan	14	standard	
E15 -	E	Chromel-Constantan	14	special	
E20 -	E	Chromel-Constantan	20	standard	
E21 -	E	Chromel-Constantan	20	special	
T14 -	T	Copper-Constantan	14	standard	
T15 -	T	Copper-Constantan	14	special	
T20 -	T	Copper-Constantan	20	standard	
T21 -	T	Copper-Constantan	20	special	
N20 -	N	Nicrosil-Nisil	20	standard	


Field 4. NUMBER OF ELEMENTS AND JUNCTION STYLE

- 1 - Single, twisted, grounded
- 2 - Single, twisted, ungrounded
- 3 - Single, butt welded, grounded
- 4 - Single, butt welded, ungrounded
- H - Dual, twisted, grounded. Return to Fields 1, 2, 3, double that price
- 5 - Dual common, butt welded, ungrounded. Return to Fields 1, 2, 3, double that price and add
- 6 - Dual isolated, butt welded, ungrounded. Return to Fields 1, 2, 3, double that price and add

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Ordering Information (continued)

Fields 5, 6. PROTECTION TUBE

 Use length determined in Fields 8, 9.
See compatibility table on page 3-3.

	<u>Size</u>	<u>Material</u>	<u>12" Min.</u>	<u>Ea. Add'l 6"</u>
65 -	0.188" (3/16")	o.d. 304 stainless steel		
66 -	0.250" (1/4")	o.d. 304 stainless steel		
67 -	0.375" (3/8")*	o.d. 304 stainless steel		
68 -	0.188" (3/16")	o.d. 316 stainless steel		
69 -	0.250" (1/4")	o.d. 316 stainless steel		
70 -	0.375" (3/8")*	o.d. 316 stainless steel		
72 -	0.250" (1/4")	o.d. Inconel		
73 -	0.375" (3/8")*	o.d. Inconel		

*not applicable if Field 7 is code 5, 6 or 8


Field 7. COLD END TERMINATION

See page 3-24 for protection tube/cold end termination compatibility table.

	<u>Single</u>	<u>Dual</u>
1 -	General purpose, cast iron	
2 -	Weatherproof, cast iron	
3 -	General purpose, aluminum	
5 -	Ceramic Wafer*	
6 -	General purpose, miniature*	
8 -	Weatherproof, plastic, miniature*	
A -	Weatherproof, aluminum	
B -	Explosion proof	
D -	Aluminum, transmitter ready	
E -	Aluminum, explosionproof (extended lead time)	

*not available for 0.375" (3/8") tubes, or dual element assemblies

Fields 8, 9. HOT LENGTH (DIMENSION "HL")

 Complete these Fields to determine lengths for Fields 1, 2, 3 and Fields 5, 6
HL - Enter actual inches in 6" increments. Minimum 12", maximum 48"
HL - Over 48"

Field 10. HOT END

- 0 - Closed end
- 8 - Open end

Fields 11, 12. RESERVED

Field 13. MOUNTING FITTINGS

- 0 - None
- 7 - Double ended bushing, 1/2" NPT

Fields 14, 15. RESERVED