

Thermocouple Assemblies Straight Type Closed & Open End, Metal Protecting Tube

Model Selection Guide

Specification: S001-15

Instructions

- Select the Key Number desired. The arrow to the right marks the selections available.
- Make one selection each from Tables I, II and III using the column below the proper arrow. Select Table V Options if desired.
- A dot denotes unrestricted availability. A letter denotes restricted availability. Restrictions follow Table V.
- A complete Model Number must have the designated number of digits in each table.

Key Numbers I II III IV V (Optional)

001D10 - B24 - 1 - F21 - 0 - B6 **Example**

KEY NUMBER

Selection Availability

Type	Calibration Type	Wire Size	Max. Temperature														
Closed End	T	20 gage	500°F (260°C)	001D10	↓												
		20 gage	900°F (482°C)	003D10		↓											
	J	14 gage	1100°F (593°C)	003B10			↓										
		8 gage	1400°F (760°C)	003A10				↓									
	K	14 gage	2000°F (1093°C)	005B10					↓								
		8 gage	2300°F (1260°C)	005A10						↓							
Open End	J	20 gage	900°F (482°C)	003D43								↓					
		14 gage	1100°F (593°C)	003B43									↓				
	K	14 gage	2000°F (1093°C)	005B43													↓

TABLE I - PROTECTING TUBE

Maximum Temperature		Material	Diameter				Maximum Length											
			Inside		Outside													
°F	°C		In.	mm	In.	mm	In.	cm										
1000	538	Carbon Steel	.269	6,8	.405	10,3	60	152	B __	•	•							
			.364	9,3	.540	13,7	60	152	B __			•				•	•	•
			.622	15,8	.840	21,3	60	152	W __	•	•	•	•	•	•	•	•	•
1800	982	Stainless Steel 316	.269	6,8	.405	10,3	60	152	T __	•	•					•		
		Stainless Steel 304	.364	9,3	.540	13,7	60	152	S __	•	•	•			•	•	•	
		Resisteat (28% Cr)	.375	9,5	.750	19,0	24	61	P __	•	•	•	•	•	•			
			.622	15,8	.840	21,3	60	152	PA __	•	•	•	•	•	•	•	•	•
		Nickel	.622	15,8	.840	21,3	60	152	L __	•	•	•	•	•	•	•	•	•
2200	1204	Inconel	.622	15,8	.840	21,3	60	152	M __	•	•	•	•	•	•	•	•	•



Fill in blank with protecting tube length in 6" (152 mm) increments.
Minimum 12 inches (305 mm) maximum as specified.

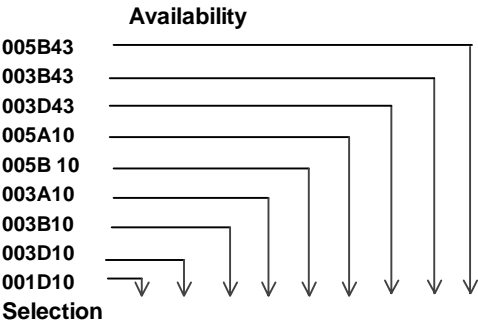


TABLE II - HEAD AND ELEMENT

Elements	Head Type	Conduit Outlet Size-Inches											
Single	General Purpose	1/2 NPT	1	.	.	.	.	.	.	.	.	.	.
	Screw	1/2 NPT	3	.	.	.	.	.	.	.	.	.	.
		3/4 NPT	4	.	.	.	.	.	.	.	.	.	.
Duplex	Screw	3/4 NPT	2	.	.	.	.	.	.	.	.	.	.

TABLE III - MOUNTING AND INSULATION

No Selection		000	.	.	.	.	.	.	.	.	.	.	.
Adjustable Flange 2" (51 mm) Diameter Max.		A00	.	.	.	.	.	.	.	.	.	.	.
Bushing Material Thread Size - Inches													
Steel	3/8 NPT (Fits .405 tubes only)	C _ _	f	f						f			
	1/2 NPT (Fits .405, .540 tubes)	D _ _	g	g	g			g		g	g	g	
	3/4 NPT (Fits .405, .540 tubes)	F _ _	g	g	g			g		g	g	g	
	1.0 NPT (Fits .540, .75, .840 tubes)	H _ _	e	e	e	k		e	k	e	e	e	
	1.25 NPT (Fits .540, .75, .840 tubes)	K _ _	e	e	e	e		e	e	e	e	e	
	1.50 NPT (Fits .540, .75, .840 tubes)	M _ _	e	e	e	e		e	e	e	e	e	
Stainless Steel	3/4 NPT	G _ _	g	g	g	g		g	g	g	g	g	

↑
Fill in blank with desired length in inches.
Minimum: 6" (152 mm). Maximum: tube length
from Table I less 3" (76 mm). Single digit
always preceded by "0"; e.g. 9" = 09.

TABLE IV

No Selection	0
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TABLE V - OPTIONS

Premium Grade Wire - Single Element	B6
Insulated Hot Junction - Single Element	B2

RESTRICTIONS

Restriction		Available Only With		Not Available With	
Letter	Table	Selection		Table	Selection
f	I	B, T			
g	I	B, T, S			
e				I	T
k				I	B, T, S