

Thermocouple Assemblies 90° Angle Type with Flanged or Pipe Elbow

Model Selection Guide

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)
 _____ - _____ - _____ - _____ - _____ - _____
 003A50 - W24 - 1 - A - 24 - B6 **Example**

KEY NUMBER			Selection	Availability		
Type	Calibration Type	Wire Size				
Flanged	J	8 gage	003A50	↓		
	K	8 gage	005A50		↓	
		14 gage	005B50			↓

TABLE I - PROTECTING TUBE

Maximum Temperature		Material	Diameter				Length				B __	W __	M __	D __
			Inside		Outside		Min.		Max.					
°F	°C		In.	mm	In.	mm	In.	mm	In.	mm				
1000	538	Carbon Steel	.36	9,2	.54	13,7	12	305	48	1220				•
1300	704	Carbon Steel	.62	15,8	.84	21,3	12	305	48	1220		•		
1600	871	Inconel	.62	15,8	.84	21,3	12	305	48	1220		•	•	
		Cast Iron	.88	22,3	1.62	41,2	12	305	36	915		•	•	

↑
Fill in blank with length of hot leg in six inch increments.

Table I, continued next page.

Availability
 005B --
 005A --
 003A50

TABLE I - PROTECTING TUBE (continued)

Maximum Temperature		Material	Diameter				Length				Selection	50	50
			Inside		Outside		Min.		Max.				
°F	°C		In.	mm	In.	mm	In.	mm	In.	mm			
1800	982	Resistat	.38	9,7	.75	19,0	12	305	24	610	P --		•
2000	1093	Sillramic	.44	11,0	.68	17,0	12	305	48	1220	R --		•

↑
 Fill in blank with length of hot leg in six inch increments.

TABLE II - HEAD

Type	Thread				
Screw Cover	1/2" (12,7 mm) NPT	3	•	•	•
	3/4" (19 mm) NPT	4	•	•	•

TABLE III - MOUNTING

No Selection		0	•	•	•
Adjustable Flange	On Hot Leg	A	•	d	d
	On Cold Leg	B	•	•	•

TABLE IV - COLD LEG LENGTH

Material	Minimum Length Inches (mm)	Maximum Length Inches (mm)			
1/2" Standard Pipe Size	12 (305)	48 (1219)	-	•	•

↑
 Fill in blank with length of hot leg in six inch increments.

TABLE V - OPTIONS

Conduit Outlet Position	Left	A1	•	•	•
	Top	A2	•	•	•
	Bottom	A3	•	•	•
Premium Grade Wire - Single Element		B6	•	•	•

RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
d			I	R