

Thermocouple Assemblies Straight Type with Pipe-Extended Protecting Tube

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 through IV 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)
 003A30 M18 1 A 18 B6 Example

KEY NUMBER		Selection	Availability				
Calibration Type	Wire Size						
J	8 gage	003A30	↓				
	14 gage	003B30		↓			
K	8 gage	005A30			↓		
	14 gage	005B30				↓	
R	0.020" (0,5 mm)	006G30					↓
	0.020" (0,5 mm)	007G30					↓
S							

TABLE I - LENGTH AND MATERIAL

Maximum Temperature		Tube Material	Tube		Maximum Length							
			Diameter									
°F	°C		In.	mm	In.	cm						
1100	593	Stainless Steel 304	0.540	13,7	54	1,37	S __	•				
		Resisteat (28% Cr)	0.750	19,0	24	0,61	P __	•				
		Sillramic	0.687	17,5	48	1,2	R __	•				
1400	760	Inconel	0.840	21,3	54	1,37	M __	•				
		Resisteat (28% Cr)	1.000	25,4	30	0,76	P __	•				
1800	982	Sillramic	0.687	17,5	48	1,2	R __			•		
		Nickel	0.875	22,2	54	1,37	L __		•			
		Nickel	1.250	31,8	30	0,76	LA __		•			
		Resisteat (28% Cr)	1.000	25,4	30	0,76	P __		•			
		Nickel	0.750	19,0	24	0,61	LA __			•		
		Resisteat (28% Cr)	0.750	19,0	24	0,61	P __			•		
		Stainless Steel 304	0.540	13,7	54	1,37	S __			•		
2000	1093	Cast T (15% Cr-355 Ni)	1.05	26,7	54	1,37	E __			•		
2200	1204	Inconel	0.840	21,3	54	1,37	M __			•		
2700	1482	Sillramic	0.688	17,5	48	1,2	R __					•

↑
 Fill in blank with tube length in 6" (152 mm) increments.
 Minimum 12" (305 mm) - maximum from Table I.

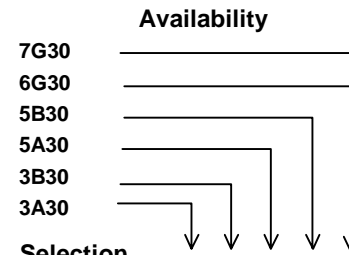


TABLE II - ELEMENT AND HEAD

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

TABLE III - MOUNTING

No Selection			0	•	•	•	•	•
Adjustable Flange	On Protecting Tube		A	•	d	•	d	d
	On Extension		B	•	•	•	•	•
Threaded Coupling		1-1/4 NPT	K	•	•	•	•	d
		1-1/2 NPT	M	•	•	•	•	d

TABLE IV - EXTENSION

	Minimum Length	Maximum Length						
1/2 Inch Pipe	6" (152 mm)	48" (1219 mm)	--	•	•	•	•	•

↑
Fill in blank with length of extension in 6" (152 mm) increments. Sum of extension length and protecting tube length from Table I not to exceed 60" (1524 mm)

TABLE V - OPTIONS

Premium Grade Wire		B6	•	•	•	•	•
Vented Tube		C1					•

RESTRICTIONS

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