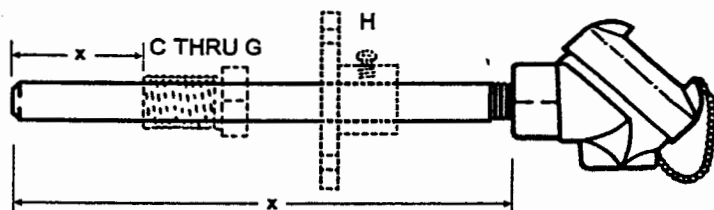


Straight Thermocouple Assemblies With Metal Protection Tubes



CAST IRON
SCREW
COVER
HEAD
STANDARD

TABLE 2 OPTIONS

- A. Open End (Closed End Standard)
 - B. Head with internal ground screw
 - C.(X) 1/2" NPT Welded Steel Bushing (Only on .25 Size Pipes)
 - D.(X) 3/4" NPT Welded Steel Bushing (Only on .50 Size Pipes)
 - E.(X) 1" NPT Welded Steel Bushing (Only on .50 and .75 Size Pipes)
 - F.(X) 1-1/4" NPT Welded Steel Bushing (Only on .50, .75, and 1.00 Size Pipes)
 - G.(X) 1-1/2" NPT Welded Steel Bushing (Only on .50, .75, and 1.00 Size Pipes)
 - H. Adjustable Steel Flange
 - I. Other (Specify)
 - K. Weatherproof Head-Aluminum
 - L. T.C. Insulated from Tube
 - M. Special Limits of Error Wire
 - P. Steel union and nipples to connect head to protection tube
 - T. Heavy Duty Pyco Process Head
 - V. Stainless Steel Union and Nipples
 - W. Protective epoxy coating on head -2mil. min.-while only
 - X. Explosion-proof head CSA approved
- Note: Substitute length in inches from hot end to bottom of steel bushing for (X) above. If stainless steel bushings required, suffix SS after (X).

TABLE 1

PROTECTION TUBES		TYPE J THERMOCOUPLE		TYPE K THERMOCOUPLE		TYPE T THERMOCOUPLE		TYPE M THERMOCOUPLE
Material & Pipe Thread	Series	8 Gauge	14 Gauge	8 Gauge	14 Gauge	14 Gauge	20 Gauge	18 Gauge
446 Stainless Steel	1/2"	5	J8-5-50	J14-5-50	K8-5-50	K14-5-50	T14-5-50	-----
	3/4"	5	J8-5-75	-----	K8-5-75	-----	-----	-----
	1"	5	J8-5-100	-----	K8-5-100	-----	-----	-----
Carbon Steel	1/4"	6	-----	J14-6-25	-----	K14-6-25	T14-6-25	T20-6-25
	1/2"	6	J8-6-50	J14-6-50	K8-6-50	K14-6-50	T14-6-50	T20-6-50
	3/4"	6	J8-6-75	-----	K8-6-75	-----	-----	-----
Inconel 601	1"	6	J8-6-100	-----	K8-6-100	-----	-----	-----
	1/2"	7	J8-7-50	J14-7-50	K8-7-50	K14-7-50	-----	-----
	3/4"	7	J8-7-75	-----	K8-7-75	-----	-----	M18-7-50
304 Stainless Steel	1"	7	J8-7-100	-----	K8-7-100	-----	-----	-----
	1/4"	9	-----	J14-9-25	-----	K14-9-25	T14-9-25	T20-9-25
	1/2"	9	J8-9-50	J14-9-50	K8-9-50	K14-9-50	T14-9-50	T20-9-50
Cast Iron	3/4"	9	J8-9-75	-----	K8-9-75	-----	-----	-----
	1"	9	J8-9-100	-----	K8-9-100	-----	-----	-----
	3/4"	11	J8-11-75	J14-11-75	K8-11-75	K14-11-75	-----	-----
Silicon Nitride	3/4"	13	J8-13-75	J14-13-75	K8-13-75	K14-13-75	-----	-----
Refractory Coated	3/4"	14	J8-14-75	J14-14-75	K8-14-75	K14-14-75	-----	-----

COMPLETE ORDER NUMBER

Table 1 - Select protection tube material and pipe thread size in Table 1. Read across to gauge column under required thermocouple type. Enter number in first box above. Note: For duplex thermocouples use Type letter twice.

Specify Protection Tube Length (Y) in 6 inch increments (Minimum Standard: 12")

Options Select from Table 2

(Example: J8-5-75 - duplex becomes JJ8-5-75.) Duplex 8 or 11 gauge require minimum 3/4" tube size.

Special Lengths on request. Consult factory for optional NPT sizes and alloys.