

## Industrial Thermocouples

Thermo Sensors Industrial thermocouples are widely used in process industry applications. Thermocouples are generally selected by determining the particular conditions under which it must perform. These conditions which have recommended wire and material selections and are grouped in types.



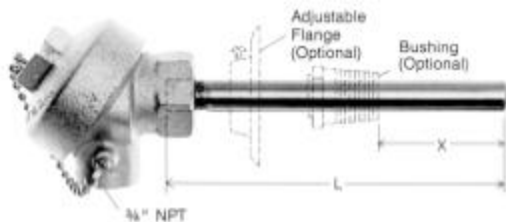
Thermo Sensors thermocouple element types include:

- Type E Chromel-Constantan Thermocouple
- Type J Iron-Constantan Thermocouple
- Type K Chromel-Alumel Thermocouple
- Type N Nicrosil-Nisil Thermocouple
- Type R Platinum-Platinum 13% Rhodium Thermocouple
- Type S Platinum-Platinum 10% Rhodium Thermocouple
- Type B Platinum 6% Rhodium-Platinum 30% Rhodium Thermocouple
- Type T Copper- Constantan Thermocouple

The wire gauge and recommended temperature ranges are of various sizes as well.

Please refer to our order guide to assist in determining your needs. We can also provide technical design assistance and application suggestions. Give us a call.

## Metal Protecting Tube Assemblies - Straight



A Leading Manufacturer of Quality Thermocouple and RTD Assemblies Since 1972

Calibration	Element* Gauge- AWG	Tube ***		Ordering Code				Options
		IPS	O.D.	Type	Material	Head	"L"	
Type J Iron - Constantan	8 AWG	1/2"	.840	JA12	Select Material Code from the <a href="#">Material Table</a> in the Thermowell section	Select from table below	Specify in Inches	Adjustable Flange - If Adjustable Flange is desired, Add Suffix "-A" to complete Ordering Code. ----- ** Welded Bushing If a Welded Bushing is desired, Specify by Adding Suffix: -D(x) for 1/2" NPT -F(x) for 3/4" NPT -H(x) for 1" NPT -K(x) for 1 1/4" NPT -M(x) for 1 1/2" NPT -P(x) for 2" NPT Replace the (x) with desired "X" dimension in inches. ----- Welded Flange If a Welded Flange is desired, follow "L" dimension in Ordering Code with a) Flange Size b) Rating c) Facing d) Material e) "X" in Inches This Option is Not Illustrated.
		3/4"	1.050	JA34				
14 AWG	1/4"	.540	JB14					
	1/2"	.840	JB12					
	3/4"	1.050	JB34					
	1"	1.315	JB10					
Type K Chromel - Alumel	8 AWG	1/2"	.840	KA12				
		3/4"	1.050	KA34				
14 AWG	1/4"	.540	KB14					
	1/2"	.840	KB12					
	3/4"	1.050	KB34					
	1"	1.315	KB10					
Type E Chromel - Constantan	8 AWG	1/2"	.840	EA12				
		3/4"	1.050	EA34				
14 AWG	1/4"	.540	EB14					
	1/2"	.840	EB12					
	3/4"	1.050	EB34					
	1"	1.315	EB10					
Type N Nicrosil - Nisil	14 AWG	1/4"	.540	NB14				
		1/2"	.840	NB12				
		3/4"	1.050	NB34				
		1"	1.315	NB10				

Other Calibrations and Tube Sizes are Available. Specify Your Requirements.

\* A single or dual element will be furnished according to the type of head selected from the table below.