

A Leading Manufacturer of Quality Thermocouple and RTD Assemblies Since 1972

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.



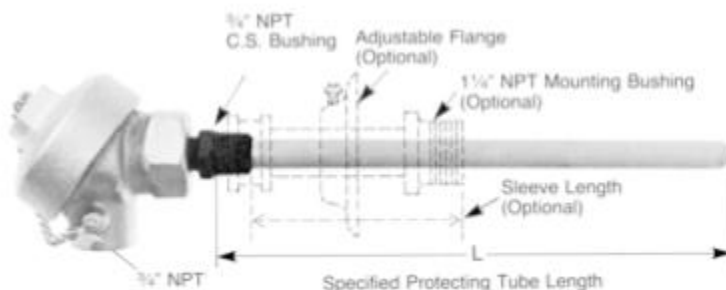
Thermo Sensors thermocouple element types include:

- 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.

Ceramic Protecting Tube Assembly - Straight



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Calibration	Element * Gauge (AWG.)	Tube ** Material	NPT *** I.D. x O.D.	Ordering Code			Options	
				Type	Head	"L"		
Type N Nicrosil - Nisil	8 AWG.	C30 Ceramic C98 Ceramic	9/16" x 3/4"	NA30 NA98	Select Head From Table Below	Specify "L" In Inches Standard Lengths 12"-72" in 6" Increments	Adjustable Flange on a Steel Sleeve: Specify by adding suffix "-A(x)" to ordering code. Replace (x) with sleeve length in inches. Example: KB30-A-24-A12 a 12-Flange on 12" Sleeve	1 1/4" NPT Steel Bushing Welded To End of Steel Sleeve. Specify by adding suffix "-K(x)" to ordering code. Replace (x) with sleeve length in inches. Example: KA30-B-18-K6 K6-1 1/4" NPT Bushing on 6" Sleeve
	14 AWG.	C30 Ceramic C98 Ceramic	7/16" x 11/16"	NB30 NB98				
Type K Chromel - Alumel	8 AWG.	C30 Ceramic C98 Ceramic	9/16" x 3/4"	KA30 KA98				
	14 AWG.	C30 Ceramic C98 Ceramic	7/16" x 11/16"	KB30 KB98				
Type R Platinum - Plat. 13% Rhodium	24 AWG. (.020")	C98 Ceramic	7/16" x 11/16"	RD98				
		RD98 Assembly with 1/4" x 3/8" C98 Inner Primary	RD982					
Type S Platinum - Plat. 10% Rhodium	24 AWG. (.020")	C98 Ceramic	7/16" x 11/16"	SD98				
		SD98 Assembly with 1/4" x 3/8" C98 Inner Primary	SD982					
Type B Rhodium - Plat. 30% Rhodium	24 AWG. (.020")	C98 Ceramic	7/16" x 11/16"	BD98				
		BD98 Assembly with 1/4" x 3/8" C98 Inner Primary	BD982					

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

Optional Threads*** Materials and Sizes		
NPT	Bushing Material	Order Code
3/4"	Carbon Steel	(Standard)
3/4"	304 S.S.	6S
1"	Carbon Steel	8C
1"	304 S.S.	8S

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How to order:

1. Select calibration and gauge of element desired, tube material and size from first four columns of the table. Specify by "Type" under Ordering Code.
2. Select a head from table above and place its code letter next.
3. Specify "L" in inches.
4. Specify option next if desired.

For Example:

RD98 - C - 18 - K8
Type Head "L" Option