

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.



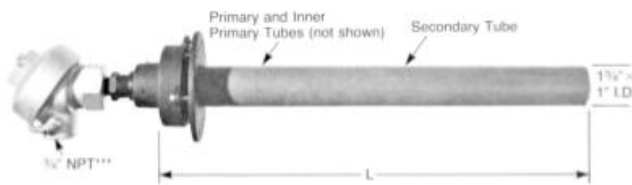
Thermo Sensors thermocouple element types include:

- 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 For Molten Metals and Furnaces



Calibration	Element** Gauge	Primary* Tube	Tube Size I.D. x O.D.	Secondary* Tube	Ordering Code			
					Type	Head	Length	
B a s e	Type K Chromel - Alumel	8 AWG.	C30 Ceramic	9/16" x 3/4"	SCT (Silicon Carbide)	KA30SC	Select from table	Specify "L" in
	Type N	8 AWG.	C30 Ceramic	9/16" x 3/4"		NA30SC		

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Metal	Nicrosil - Nisil					NASC	below	inches
	Type R Platinum - Platinum - 13% Rhodium	24 AWG. (.020")	C98 Ceramic	7/16" x 11/16"	SCT (Silicon Carbide)	RD98SC		
			RD98SC Assembly with 1/4" x 3/8" C98 Inner Primary			RD982SC		
	Type S Platinum - Platinum-10% Rhodium	24 AWG. (.020")	C98 Ceramic	7/16" x 11/16"		SD98SC		
			SD98SC Assembly with 1/4" x 3/8" C98 Inner Primary			SD982SC		
	Type B Plat. -6% Rhodium Plat. 30% Rhodium	24 AWG. (.020")	C98 Ceramic	7/16" x 11/16"		BD98SC		
			BD98SC Assembly with 1/4" x 3/8" C98 Inner Primary			BD982SC		

** Selection of a head from table below will determine whether a single or dual element is furnished.

Terminal Head Options		
Head	Terminal Block	Specify
Cast Iron Screw Cover	Single	A
	Dual	AD
Cast Aluminum Screw Cover	Single	B
	Dual	BD
Polished Cast Aluminum General Purpose	Single	C
	Dual	CD

How to order:

- Select the desired calibration, wire size, primary and secondary tubes required from the first 4 columns of the table. Specify by "Type" under Ordering Code.
- Select the desired head from table above and place its code letter next.
- Place the desired "L" dimension (in inches) after the "Type" code.

For Example:

KA30SC - A - 24

Type Head "L"