

*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.



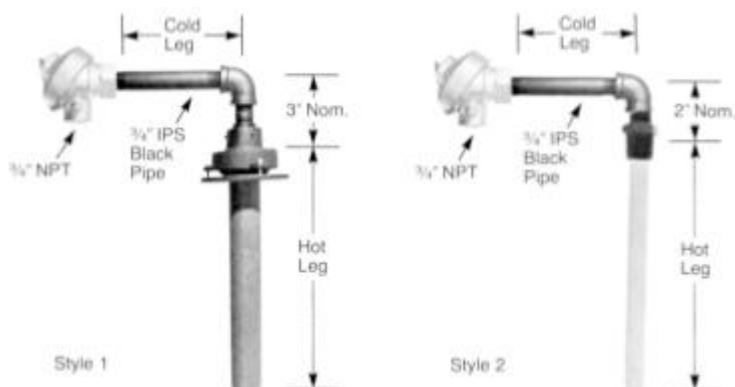
Thermo Sensors thermocouple element types include:

- 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 - Angle Type For Molten Metals



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Calibration	Element * Gauge	Style	Hot Leg ** Material	Ordering Code						
				Type	Head	Cold Leg Length	Hot Leg Length			
Type N Nicrosil - Nisil	8 AWG.	1	SCT (Silicon Carbide)	N8SC	Select from table below.	Specify in inches.				
	14 AWG.			N14SC						
	8 AWG.	2***	C30 Ceramic C98 Ceramic	N8C30 N8C98						
	14 AWG.		C30 Ceramic C98 Ceramic	N14C30 N14C98						
Type K Chromel - Alumel	8 AWG.	1	SCT (Silicon Carbide)	K8SC						
	14 AWG.			K14SC						
	8 AWG.	2***	C30 Ceramic C98 Ceramic	K8C30 K8C98						
	14 AWG.		C30 Ceramic C98 Ceramic	K14C30 K14C98						

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

\*\*\* The hot leg tube of style 2 assemblies has a 3/4" NPT male thread as standard. It is not normally required for this type of assembly, but is provided so that standard tubes can be used for fabrication.

Terminal Head Options		
Head	Terminal Block	Specify
Cast Iron Screw Cover	Single	A
	Dual	AD
Cast Aluminum Screw Cover	Single	B
	Dual	BD

### How to order:

1. Select the desired calibration, wire size, style and hot leg material from the first 4 columns of the table. Specify by "Type" under ordering code.
2. Select desired terminal head from table above and place its letter code next.
3. Place the desired "Cold Leg" length (in inches) next.
4. Place the desired "Hot Leg" length (in inches) next.

#### For Example:

K8C30 - A - 24 - 18  
 Type Head Cold Leg Hot Leg