

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.



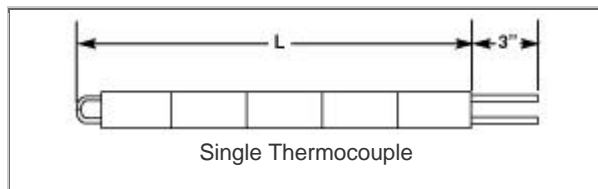
Thermo Sensors thermocouple element types include:

- 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.

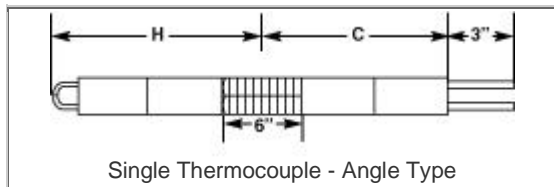
Replacement Elements - Ceramic Insulated



ANSI Calibration	Gauge (AWG)	Part Number	
		Single	Dual
Type J Iron - Constantan	8	A8J (L)	B8J (L)
	14	A14J (L)	B14J (L)
	20	A20J (L)	B20J (L)

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Type K Chromel - Alumel	8	A8K (L)	B8K (L)
	14	A14K (L)	B14K (L)
	20	A20K (L)	B20K (L)
Type E Chromel - Constantan	8	A8E (L)	B8E (L)
	14	A14E (L)	B14E (L)
	20	A20E (L)	B14E (L)
Type T Copper - Constantan	14	A14T (L)	B14T (L)
	20	A20T (L)	B20T (L)

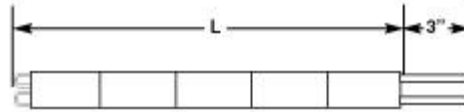


ANSI Calibration	Gauge (AWG)	Part Number
Type J Iron - Constantan	8 14	L8J-(C)-(H) L14J-(C)-(H)
Type K Chromel - Alumel	8 14	L8K-(C)-(H) L14K-(C)-(H)
Type E Chromel - Constantan	8 14	L8E-(C)-(H) L14E-(C)-(H)

How to Order:

Select the calibration and element size desired. Specify the corresponding part number replacing the (C) and (H) with the required lengths in inches.
 Example: L8K18-24

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Dual Thermocouple

How to Order:

Select the calibration, gauge and element (single or dual) desired. Specify the corresponding part number replacing the (L) with required length in inches.

Example: A8J24

Insulation Dimensions:

- 8 AWG - .500" x .284 Oval
- 8 AWG - .500" Round
- 14 AWG Single & Dual - .250" Round
- 20 AWG Single - .172" x .118" Oval
- 20 AWG Dual - .188" Round

ANSI Calibration	Gauge (AWG)	Part Number	
		Single	Dual
Type R Platinum - Plat. - 13% Rhod.	24 (.020") with .188" O.D. Insulator	N24R (L)	N24RR (L)
Type S Platinum - Plat. - 10% Rhod.		N24S (L)	N24SS (L)
Type B Plat. - 6% Rhod - Plat. - 30% Rhod.		N24B (L)	N24BB (L)
*Platinel II		N24P (L)	N24PP (L)
* Not ANSI Designation			

How to Order:

Select the calibration desired and specify the corresponding part number replacing the (L) with the required length in inches.
 Example: N24R24

Replacement Elements - Bare (no insulators)

How to Order:

Specify the part number of the desired insulated element from one of the tables above and add suffix - "B."

Example: A8K36-B
(The overall length of this element will be 38")