




















































































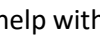






# Phoenix Thermal Supply

The following Chart will help with proper wiring. Thermocouple Sensors are color coded for polarity.

You can also use this chart for proper selection based on temperature. Different calibrations of thermocouples have different conductor materials that perform better at different ranges.

TYPE (Letter)	Conductor Material	POLARITY	Initial Calibration Tolerances (* Whichever is greater)		U.S.A.	FRANCE	U.K.	GERMANY	JAPAN	IEC	Application Range
			Standard	Special							
<b>J</b>	Iron	+	±4.0 F or ±.75%*	±2.0 F or ±.4%*							32 to 1400° F 0 to 760° C
	Constantan	-	±4.0 F or ±.75%*	±2.0 F or ±.4%*							
<b>K</b>	Chromel	+	±4.0 F or ±.75%*	±2.0 F or ±.4%*							32 to 2300° F 0 to 1260° C
	Alumel	-	±4.0 F or ±.75%*	±2.0 F or ±.4%*							
<b>T</b>	Copper	+	±1.8 F or ±1.5%*	±0.9 F or ±.8%*							32 to 700° F 0 to 370° C
	Constantan	-	±1.8 F or ±1.5%*	±0.9 F or ±.8%*							
<b>E</b>	Chromel	+	±3.0 F or ±.5%*	±1.8 F or ±.4%*							32 to 1600° F 0 to 870° C
	Constantan	-	±3.0 F or ±.5%*	±1.8 F or ±.4%*							
<b>N</b>	Nicrosil	+	±4.0 F or ±.75%*	±2.0 F or ±.4%*		Not Established		Not Established	Not Established		32 to 2300° F 0 to 1260° C
	NISIL	-	±4.0 F or ±.75%*	±2.0 F or ±.4%*		Not Established		Not Established	Not Established		
<b>R</b>	Platinum 13% Rhodium	+	±2.7 F or ±.25%*	±1.1 F or ±.1%*							32 to 2700° F 0 to 1480° C
	Platinum	-	±2.7 F or ±.25%*	±1.1 F or ±.1%*							
<b>S</b>	Platinum 10% Rhodium	+	±2.7 F or ±.25%*	±1.1 F or ±.1%*							32 to 2700° F 0 to 1480° C
	Platinum	-	±2.7 F or ±.25%*	±1.1 F or ±.1%*							
<b>B</b>	Platinum 30% Rhodium	+	.5%	.25%		Not Established	Not Established			Not Established	1600 to 3100° F 870 to 1700° C
	Platinum 6% Rhodium	-				Not Established	Not Established			Not Established	

\*\*Our engineers are factory trained on all applications and will help with any questions that you have\*\*

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