

















































Thermocouple

DHE[®] Thermocouple is passive electronic transducer (as does not require powder) physical principle on which dissimilar metal wire joined at their measuring end. It made of two junctions are at different temperature a current proportional to the different in temperature between two junction will start to flow in circuit when the circuit is interpres, a thermoelectro force is generated the polarity & intensity of this force depends only on the notice of two metal used.

Type Letter	Conductor material	POLARITY	Instant calibration tolerance (* whichever is greater)		U.S.A	U.K	GERMANY	JAPAN	Application Range
			Standard	special					
J	Iron	+	±4.0 F or ±75%	±2.0 F or ±4%					32 to 1400° F 0 to 760° C
	Constantan	-							
K	Chromal	+	±4.0 F or ±75%	±2.0 F or ±4%					32 to 2300° F 0 to 1260° C
	Alumel	-							
T	coppler	+	±1.8 F or ±1.5%	±0.9 F or ±8%					32 to 700° F 0 to 370° C
	Constantan	-							
E	Chromal	+	±3.0 F or ±5%	±1.8 F or ±4%					32 to 1600° F 0 to 870° C
	constantan	-							
N	Nicrosil	+	±4.0 F or ±75%	±2.0 F or ±4%			Not Established	Not Established	32 to 2300° F 0 to 1260° C
	NISIL	-							
R	Platinum	+	±2.7 F or ±25%	±1.1 F or ±1%					32 to 2700° F 0 to 1480° C
	Rhodium-13%	-							
S	Platinum	+	±2.7 F or ±25%	±1.1 F or ±1%					32 to 2700° F 0 to 1480° C
	Rhodium-10%	-			