



Thermocouple International Color Codes

International Color Codes

ANSI Code	ANSI/ASTM T/C	ANSI/ASTM Exten.	BS 1843 (Britain)	DIN 43710 (Germany)	JIS C1610-1981 (Japan)	IEC 584-3 (Europe)	Common Uses
E							Suitable for use in oxidizing or inert atmosphere. Limited use in vacuum or reducing atmosphere. Suitable for sub zero.
J							Reducing vacuum, inert atmosphere. Limited use in oxidizing above 1004°F (540°C). Not recommended for sub zero.
K							Suitable for use in oxidizing or inert atmosphere. Limited use in vacuum or reducing atmosphere. Suitable for sub zero.
N							Alternative to Type K. More stable at high temperatures.
R							Suitable for use in oxidizing or inert atmosphere. Do not insert in metal tubes. Beware of contamination at high temperatures.
S							Suitable for use in oxidizing or inert atmosphere. Do not insert in metal tubes. Beware of contamination at high temperatures.
T							Mild oxidizing, reducing vacuum or inert atmosphere. Good where moisture is present. Low temperature and cryogenic applications.