






Thermocouple Tolerances: BS EN 60584-1:2013

Type	Thermocouple Material	Tolerance Class		
		1	2	3
Type T 	Copper/Constantan (Cu/Con)	-40 to +350°C ±0.5°C or (t x 0.004)	-40 to +350°C ±1.0°C or (t x 0.0075)	-200 to +40°C ±1.0°C or (t x 0.015)
Type J 	Iron/Constantan (Fe/Con)	-40 to +750°C ±1.5°C or (t x 0.004)	-40 to +750°C ±2.5°C or (t x 0.0075)	
Type E 	Nickel Chrome/Constantan (NiCh/Con)	-40 to +800°C ±1.5°C or (t x 0.004)	-40 to +900°C ±2.5°C or (t x 0.0075)	-200 to +40°C ±2.5°C or (t x 0.015)
Type K 	Nickel Chrome/Nickel Aluminium NiCh/NiAl)	-40 to +1000°C ±1.5°C or (t x 0.004)	-40 to +1200°C ±2.5°C or (t x 0.0075)	-200 to +40°C ±2.5°C or (t x 0.015)
Type N 	Nicrosil/Nisil (NiCrNi/NiSi)			
Type R	Platinum-13%Rhodium/Platinum (Pt-13Rh/Pt)	0.0 to 1099°C ±1.0°C	0 to 1600°C ±1.5°C or ±t x 0.0025	
Type S	Platinum-10%Rhodium/Platinum (Pt-10Rh/Pt)	1100°C to 1600°C ± 1+[0.003 x (t-1100)]		
Type B	Platinum-30%Rhodium/Platinum-6%Rhodium (Pt-30Rh/Pt-6Rh)		+600 to 1700°C ± t x 0.01	+600 to 1700°C ±4.0°C or (t x 0.005)