

Temperature range of standard thermocouples

Type	Alloy	Range °C (°F)
J	Iron	Ambient to 760 °C (1400 °F)
K	Nickel	Ambient to 1260 °C (2300 °F)
N	Nickel	Ambient to 1260 °C (2300 °F)
S	Platinum	65 °C (150 °F) to 1480 °C (2700 °F)
R	Platinum	65 °C (150 °F) to 1480 °C (2700 °F)
B	Platinum	205 °C (400 °F) to 1705 °C (3100 °F)
W	Tungsten	205 °C (400 °F) to 2315 °C (4200 °F)

For further reference see ASTM E230 and E988.

Source: Vacuum Technology: *Practical Heat Treating and Brazing*, edited by Roger Fabian, ASM International, 1993, p 100