

# THERMOCOUPLES

## OVERVIEW OF THE DIFFERENT THERMOCOUPLE TYPES

The following table lists the various types of thermocouples, including the material pairings from which they are made and the temperature ranges in which they perform best.

Type	Materials	Temperature range
Type T - Cu/CuNi	Copper/Constantan	-270 °C to +400 °C
Type J - Fe/CuNi	Iron/Constantan	-210 °C to +1200 °C
Type E - NiCr/CuNi	Nickel chrome/constantan	-270 °C to +1000 °C
Type K - NiCr/Ni	Nickel chrome/nickel	-270 °C to +1372 °C
Type N - NiCrSi/NiSi	Nicrosil/Nisil	-270 °C to +1300 °C
Type S - Pt10Rh/Pt	Platinum Rhodium/Platinum	0 °C to +1482 °C
Type R - Pt13Rh/Pt	Platinum Rhodium/Platinum	0 °C to +1482 °C
Type B - Pt30Rh/Pt6Rh	Platinum rhodium/platinum rhodium	0 °C to +1820 °C