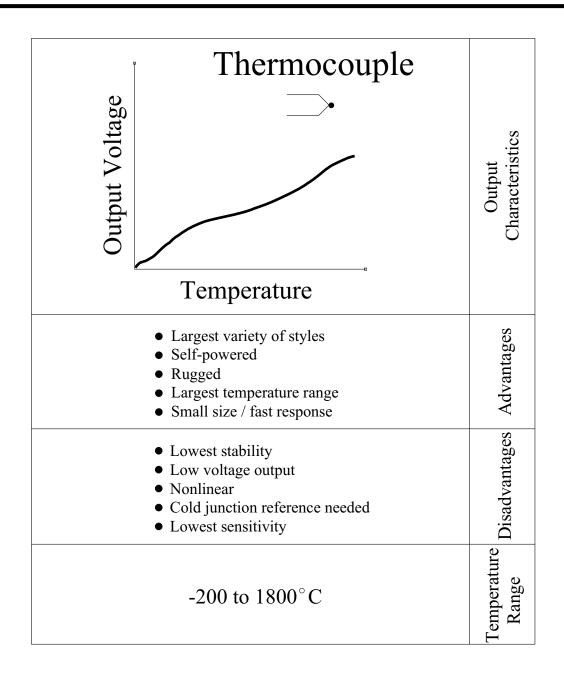
Thermocouple Temperature Detectors



Thermocouples are constructed of two dissimilar metals welded together to form a junction. When this junction is heated there is a thermoelectric potential (emf) created on the millivolt level. The heated junction when compared to a reference junction (same junction type at a known temperature, usually 0° C) has an output proportional to the difference in the two junctions temperatures.