



Solution for temperature sensing

REVTI ELECTRONICS INDUSTRIES

Initial Calibration Tolerances Per ASTM E230 & ANSI MC 96.1

Tolerance – Reference Junction (0°C)

Limits of Error in Thermocouple Wire

Type of Wire	Temperature Range	Standard Grade
T	(-200°C to 370°C)	±1.8 (1) or ±0.75%
J	(0°C to 760°C)	±4 (2.2) or ±0.75%
E	(-200°C to 870°C)	±3.1 (1.7) or ±0.50%
K	(-200°C to 1260°C)	±4 (2.2) or ±0.75%
N	(-200°C to 1260°C)	±4 (2.2) or ±0.75%

Limits of Error in Thermocouple Extension / Compensating Cable

Type of wire	Temperature Range	Standard Grade
TX	(0°C to 100°C)	±1.8 (1)
JX	(0°C to 200°C)	±4 (2.2)
EX	(0°C to 200°C)	±3.1 (1.7)
KX	(0°C to 200°C)	±4 (2.2)
NX	(0°C to 200°C)	±4 (2.2)
RX	(0°C to 200°C)	±9 (5)
SX	(0°C to 200°C)	±9 (5)
BX	(0°C to 200°C)	±6.7 (3.7)