

CONDENSED SPECIFICATIONS

ACCURACY*

Type	Range	1 Year 18°-28°C (65°-82°F)
mV	-99.999 to 100.000mV	±(0.02% + 3μV)
J	-100.0°C to + 760.0°C -148.0°F to +1400.0°F	±0.4°C ±0.8°F
K	-100.0°C to +1372.0°C -148.0°F to +2501.0°F	±0.5°C ±0.9°F
T	-100.0°C to + 400.0°C -148.0°F to + 752.0°F	±0.5°C ±0.8°F
E	-100.0°C to +1000.0°C -148.0°F to +1832.0°F	±0.5°C ±0.9°F
R	0 °C to +1780°C + 32 °F to +3236°F	±1°C ±2°F
S	0 °C to +1780°C + 32°F to +3236°F	±1°C ±2°F
B	+350°C to +1820°C +662°F to +3308°F	±1°C ±2°F
EXTENDED RANGE (Types J, K, T, E):		
	-200.0°C to -100.1°C	±0.6°C
	-328.0°F to -148.0°F	±1.0°F

*Excludes thermocouple errors (Specifications include for either 7057A or internal reference junction errors).

TEMPERATURE COEFFICIENT: 0-18°C & 28-50°C

Less than 0.1 × rated accuracy/°C.

GENERAL

MAXIMUM ALLOWABLE INPUT: 250V rms, 350V peak (for one minute).

MAXIMUM COMMON MODE VOLTAGE: 200V peak to earth.

SCANNING RATE: > 20 channels/second - filter disabled.
> 5 channels/second - filter enabled.

LOGGING INTERVAL: 50ms to 1 hour or triggered (User selectable).

SCANNING INTERVAL: 500ms to 1 hour or triggered (User selectable).

BENCH READING RATE: 8 readings/second, filter disabled.
4 readings/second, filter enabled.

REAL-TIME CLOCK ACCURACY: < 1 min/month typ.

WARMUP: 1 hour to rated accuracy.

CAPACITY: Single channel or 10 channels (including reference junction), using one 7057A thermocouple card.

EXPANSION: Up to 90 channels (including reference junctions), using 8 additional 7057A thermocouple cards.