

THERMOCOUPLE CALIBRATOR

TECHNICAL DATA

FEATURES

- Source and measure 8 thermocouple types, including R,S,B,E,K,J,T,N; and volts
- Basic accuracy of 0.05%
- Internal cold junction compensation
- Easy to read 6-digit LCD readout
- Quick reset with zero button
- User selectable auto-power-off
- Selectable °F or °C
- Includes set of industrial test leads, alligator clips, protective holster, thermocouple adapter, user manual and batteries

SPECIFICATIONS

MEASURE FUNCTION

Output	Range	Output Range	Resolution	Accuracy
DCV	100mV	-10.00mV to 110.00mV	0.01mV	0.05% rdg. + 30mV
TC	R	-40 to 1760°C	1°C	±0.05% rdg. +3°C (≤100°C)
	S	-20 to 1760°C	1°C	±0.05% rdg. +2°C (>100°C)
	B	400 to 1800°C	1°C	±0.05% rdg. +3°C (400 to 600°C); ±0.05% rdg. +2°C (>600°C)
	E	-200.0 to 1000.0°C	0.1°C	±0.05% rdg. +2°C (≤-100°C) ±0.05% rdg. +1°C (>-100°C)
	K	-200.0 to 1370.0°C	0.1°C	
	J	-200.0 to 1200.0°C	0.1°C	
	T	-200.0 to 400.0°C	0.1°C	
	N	-200.0 to 1300.0°C	0.1°C	

SOURCE FUNCTION

Output	Range	Output Range	Resolution	Accuracy
DCV	100mV	-10.00mV to 110.00mV	0.01mV	0.05% rdg. + 30mV
	1V	-0.1000V to 1.1000 V	0.1mV	0.05% rdg. + 0.3mV
TC	R	-40 to 1760°C	1°C	±0.05% rdg. +3°C (≤100°C)
	S	-20 to 1760°C	1°C	±0.05% rdg. +2°C (>100°C)
	B	400 to 1800°C	1°C	±0.05% rdg. +3°C (400 to 600°C); ±0.05% rdg. +2°C (>600°C)
	E	-200.0 to 1000.0°C	0.1°C	±0.05% rdg. +2°C (≤-100°C) ±0.05% rdg. +1°C (>-100°C)
	K	-200.0 to 1370.0°C	0.1°C	
	J	-200.0 to 1200.0°C	0.1°C	
	T	-200.0 to 400.0°C	0.1°C	
	N	-200.0 to 1300.0°C	0.1°C	



SPECIFICATIONS

Operating Temperature Range: 0 to 50°C

Operating Humidity Range: ≤ 80% RH

Power Supply: 2 AA batteries

Dimensions: 180 x 90 x 47mm

Weight: 500g

ORDERING INFORMATION

R2810 Thermocouple Calibrator

CERTICA3 NIST Calibration Certificate

R2810-NIST Thermocouple Calibrator & NIST