



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 display
- Zero adjustment button
- User selectable unit of measure (°F/°C)
- Low battery indicator and auto shut off
- Includes test leads, alligator clips, thermocouple adapter, protective holster and batteries

Model	Description
R2810	Thermocouple Calibrator
AD-1	Thermocouple Adapter
FC-300	Fused Test Lead Set
R1000	Safety Test Lead Set, Double Insulated
CA-05A	Soft Carrying Case
C-820	Soft Carrying Case
R2810-NIST	Thermocouple Calibrator & NIST

Specifications

Display:	6-Digit LCD
Zero Adjustment Button:	Yes
Kick Stand:	Yes
Power Supply:	2 AA Batteries
Cold Junction Compensation:	Yes
Auto Shut Off:	Yes (after 15 mins/off)
Low Battery Indicator:	Yes
Replaceable Test Leads:	Yes
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Operating Humidity:	0 to 85%
Storage Temperature:	14 to 122°F (-10 to 50°C)
Dimensions:	7.1 x 3.5 x 1.9" (180 x 90 x 47mm)
Weight:	8.2oz (500g)

TECHNICAL DATA

Measuring Function

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