



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
R2990	Thermocouple Adapter
R1000	Safety Test Lead Set, Double Insulated
R1020	Fused Test Lead Set
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
CA-05A	Soft Carrying Case
R9940	Hard Shell Carrying Case
R2810-NIST	Thermocouple Calibrator & NIST

Specifications

Display:	6-Digit LCD
Zero Adjustment Button:	Yes
Kick Stand:	Yes
Power Supply:	2 x 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. + 30mV
	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	±0.05% rdg. +3°C (400 to 600°C); ±0.05% rdg. +2°C (>600°C)
	B	400 to 1800°C	1°C	±0.05% rdg. +2°C (≤-100°C) ±0.05% rdg. +1°C (>100°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	
	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) ±0.05% rdg. +2°C (>100°C)
	S	-20 to 1760°C	1°C	±0.05% rdg. +3°C (400 to 600°C); ±0.05% rdg. +2°C (>600°C)
	B	400 to 1800°C	1°C	±0.05% rdg. +2°C (≤-100°C) ±0.05% rdg. +1°C (>100°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	
	T	-200.0 to 400.0°C	0.1°C	
	N	-200.0 to 1300.0°C	0.1°C	