



TECHNICAL DATA

Output	Range	Output Range	Resolution	Accuracy
DCV	100mV	-10.00mV to 110.00mV	0.01mV	0.05% rdg. + 30µV
	1000mV	-100.00mV to 1100.00mV	0.1mV	0.05% rdg. + 0.3mV
OHM	400Ω	0.0 to 400.0Ω	0.1Ω	±0.05% rdg. + 0.2Ω
	4000Ω	0 to 4000Ω	1Ω	±0.05% rdg. + 2Ω
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	
	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)
RTD	T	-200.0 to 400.0°C	0.1°C	
	N	-200.0 to 1300.0°C	0.1°C	
	Cu10	-10.0 to 250.0°C	0.1°C	
	Cu50	-50.0 to 150°C	0.1°C	±0.05% rdg. +0.6°C
	Pt10 385	-200.0 to 850°C	0.1°C	
	Pt100 385	-200.0 to 850°C	0.1°C	±0.05% rdg. +0.6°C
	Pt200 385	-200.0 to 630°C	0.1°C	
	Pt500 385	-200.0 to 630°C	0.1°C	±0.05% rdg. +0.6°C
	Pt1000 385	-200.0 to 630°C	0.1°C	

Features

- Source 8 thermocouple types, including R, S, B, E, K, J, T, N; and 5 RTDs types, including Pt 100 (385), Pt200 (385), Pt500 (385), Pt1000 (385), Cu50; plus volts and ohms
- 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

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)

Model	Description
R2800	Temperature Simulator
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
R2800-NIST	Temperature Simulator & NIST