

Features

- Measures AC current, AC/ DC voltage, resistance, capacitance, frequency, duty cycle and temperature
- 4000-count LCD display with low battery and overrange indicators
- Built-in non-contact voltage detector with LED indicator
- Display hold and relative mode
- Diode test and continuity check functions
- Durable double molded plastic housing
- Cat. III 600V safety rating
- Includes test leads, thermocouple wire probe, thermocouple adapter, batteries, and soft carrying case

Specifications

AC Current

Range: 40, 400A
Accuracy: AC: $\pm(2.5\% \text{ rdg.} + 8 \text{ dgt.})$
Resolution: 0.01, 0.1A

AC/DC Voltage

Range: AC: 4, 40, 400, 600V
DC: 400mV, 4, 40, 400, 600V
Accuracy: AC: $\pm(1.8\% \text{ rdg.} + 8 \text{ dgt.})$
DC: $\pm(1.5\% \text{ rdg.} + 2 \text{ dgt.})$
Resolution: AC: 0.001, 0.01, 0.1, 1V
DC: 0.1mV, 0.001, 0.01, 0.1, 1V

Resistance

Range: 400 Ω , 4, 40, 400k Ω , 4, 40M Ω
Accuracy: $\pm(1.5\% \text{ rdg.} + 2 \text{ dgt.})$
0.1 Ω , 0.001, 0.01,
0.1k Ω , 0.001, 0.01M Ω

Capacitance

Range: 40, 400nF, 4, 40, 100 μ F
Accuracy: $\pm(3\% \text{ rdg.} + 5 \text{ dgt.})$
Resolution: 0.01, 0.1nF, 0.01, 0.1 μ F

Frequency

Range: 10MHz
Accuracy: $\pm(1.2\% \text{ rdg.} + 2 \text{ dgt.})$
Resolution: 0.01Hz

Temperature

Range: -4 to 1400 $^{\circ}$ F (-20 to 760 $^{\circ}$ C)
Accuracy: $\pm(3.0\% \text{ rdg.} + 9^{\circ}$ F)
 $\pm(3.0\% \text{ rdg.} + 5^{\circ}$ C)
Resolution: 1 $^{\circ}$ F, 1 $^{\circ}$ C

TECHNICAL DATA



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General Specifications

Range Selection:	Autoranging / Manual
Display:	4,000 count LCD display
Display Hold:	Yes
Relative Mode:	Yes
Diode Test:	Yes
Continuity Check:	Audible signal if resistance <150Ω
Duty Cycle:	Yes
Non-Contact Voltage Detector:	Yes
Autoshut off:	Yes (after 15 mins)
Power Supply:	2 x AAA
Low Battery Indicator:	Yes
Jaw Opening:	1.2" (30mm), up to 350 MCM
Overtoltage Category:	CAT. III 600V
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Dimensions:	7.9 x 2.6 x 1.5" (200 x 66 x 37 mm)
Weight:	7.2oz (205g)

TECHNICAL DATA



Model	Description
R5020	AC Clamp Meter
AD-1	Thermocouple Adapter
R5400	Line Splitter
R1000	Safety Test Lead Set, Double Insulated
FC-300	Fused Test Lead Set
TP-01	Type K Thermocouple Wire Probe
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Surface Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
CA-52A	Soft Carrying Case
C-820	Soft Carrying Case
R5020-NIST	AC Clamp Meter & NIST