

TECHNICAL DATA

Features

- Measures AC/DC current/voltage, resistance, capacitance, frequency, duty cycle, and contact temperature
- 6,000-count backlit LCD display and analog bargraph
- Flexible current probe can expand AC current measurements up to 3000A; (R5065, sold separately)
- Ergonomic design fits in your hand and can be used while wearing protective gloves
- Built-in LED flashlight
- Low battery and over range indicators
- Built-in non-contact voltage detector with LED indicator
- True RMS voltage and current for accurate measurements
- Low Pass Filter and Low Impedance (LoZ) modes
- Min/Max, display hold and relative mode
- Diode test and continuity check functions
- Durable double molded plastic housing
- Cat. III 1000V, Cat. IV 600V safety rating
- Includes type K thermocouple, test leads, batteries and carrying case

Specifications

AC/DC Current

Range: 60, 600, 1000A
 Accuracy: AC/DC: $\pm(2\% \text{ rdg.} + 5 \text{ dgt.})$
 Resolution: 0.01, 0.1, 1A

AC/DC Voltage

Range: AC: 6, 60, 600, 1000V
 DC: 600mV, 6, 60, 600, 1000V
 Accuracy: AC: $\pm(1.0\% \text{ rdg.} + 8 \text{ dgt.})$
 DC: $\pm(0.5\% \text{ rdg.} + 5 \text{ dgt.})$
 Resolution: 0.1mV, 0.001V, 0.01V, 0.1V, 1V

Resistance

Range: 600 Ω , 6, 60, 600k Ω , 6, 60M Ω
 Accuracy: $\pm(1\% \text{ rdg.} + 2 \text{ dgt.})$
 0.1 Ω , 0.001k Ω , 0.01k Ω , 0.1k Ω ,
 0.001M Ω , 0.01M Ω



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Capacitance

Range: 60, 600.0nF, 6, 60, 600μF, 6, 60mF
 Accuracy: ±(4.0% rdg. +5 dgt.)
 Resolution: 0.01nF, 0.1nF, 0.001μF, 0.01μF, 0.1μF, 0.001mF, 0.01mF

Frequency

Range: 10Hz, 1MHz
 Accuracy: ±(0.1% rdg. +3 dgt.)
 Resolution: 0.01Hz, 1kHz

Low Pass Filter (LPF) AC Voltage

Range: 600, 1000V
 Accuracy: ±(2% rdg. +5 dgt.)
 Resolution: 0.1, 1V

Low Impedance (LoZ) AC Voltage

Range: 600, 1000V
 Accuracy: ±(2% rdg. +5 dgt.)
 Resolution: 0.1, 1V

Temperature

Range: -40 to 1832°F (-40 to 1000°C)
 Accuracy: ±(1.0% rdg. + 4°F)
 ±(1.0% rdg. + 2°C)
 Resolution: 1°F, 1°C

General Specifications

Range Selection: Autoranging / Manual
 Low Impedance (LoZ): Yes
 Low Pass Filter (LPF): Yes
 True RMS: Yes
 Display: 6,000 count LCD display
 Display Hold: Yes
 Max/Min: Yes
 Peak Hold: N/A
 Zero Push Button Adjustment: Yes
 Relative Mode: Yes
 Diode Test: Yes

Backlit Display: Yes
 Analog Bargraph: Yes (31-segment)
 Continuity Check: Audible signal if resistance ≤30Ω
 Duty Cycle: Yes
 Non-Contact Voltage Detector: Yes
 Built-In Flashlight: Yes
 Kick Stand: N/A
 Autoshoot off: Yes (after 15 mins)
 Flexible current probe (optional): Yes (R5065, Extends to 3000A)
 Power Supply: 3 x AAA Batteries
 Low Battery Indicator: Yes
 Jaw Opening: 1.7" (42mm), up to 1500 MCM
 Overvoltage Category: CAT. III 1000V, CAT. IV 600V
 Product Certifications: CE, ETL
 Operating Temperature: 32 to 122°F (0 to 50°C)
 Storage Temperature: 14 to 140°F (-10 to 60°C)
 Dimensions: 10.7 x 3.2 x 1.7" (272 x 81 x 43.5mm)
 Weight: 15.8oz (447g)

Model	Description
R5055	AC/DC Clamp Meter
R5400	Line Splitter
R2990	Thermocouple Adapter
R5065	Flexible 18" Current 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
R1020	Fused Test Lead Set
R1000	Safety Test Lead Set
CA-05A	Medium Soft Carrying Case
R5055-NIST	AC/DC Clamp Meter with NIST