

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

Capacitance

Range: 60, 600.0nF, 6, 60, 600 μ F, 6, 60mF
Accuracy: $\pm(4.0\% \text{ rdg.} + 5 \text{ dgt.})$
Resolution: 0.01nF, 0.1nF, 0.001 μ F, 0.01 μ F,
0.1 μ F, 0.001mF, 0.01mF



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Frequency

Range: 10Hz, 1MHz
Accuracy: $\pm(0.1\% \text{ rdg.} + 3 \text{ dgt.})$
Resolution: 0.01Hz, 1kHz

Low Pass Filter (LPF) AC Voltage

Range: 600, 1000V
Accuracy: $\pm(2\% \text{ rdg.} + 5 \text{ dgt.})$
Resolution: 0.1, 1V

Low Impedance (LoZ) AC Voltage

Range: 600, 1000V
Accuracy: $\pm(2\% \text{ rdg.} + 5 \text{ dgt.})$
Resolution: 0.1, 1V

Temperature

Range: -40 to 1832°F (-40 to 1000°C)
Accuracy: $\pm(1.0\% \text{ rdg.} + 4^\circ\text{F})$
 $\pm(1.0\% \text{ rdg.} + 2^\circ\text{C})$
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 $\leq 30\Omega$
Duty Cycle: Yes
Non-Contact
Voltage Detector: Yes
Built-In Flashlight: Yes
Kick Stand: N/A
Autoshut 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)

R5055-KIT

AC/DC Clamp Meter with Flexible
Current Probe

Includes:

R5055 1000A AC/DC Clamp Meter and
R5065 3000A Flexible 18" Current Probe



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-KIT	AC/DC Clamp Meter with Flexible Current Probe
R5055-NIST	AC/DC Clamp Meter with NIST
R5055-KIT-NIST	AC/DC Clamp Meter with Flexible Current Probe with NIST