

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 |