

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

##### Capacitance

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



*Continued...*

### TECHNICAL DATA

#### 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