

### TECHNICAL DATA



### Features

- Measures AC/DC current/voltage, resistance and frequency
- 4000-count LCD display with analog bargraph
- Low battery and overrange indicators
- True RMS measurements
- Min/Max, display hold, peak hold and relative mode
- Diode test and continuity check functions
- Cat. III 600V, Cat. II 1000V safety rating
- Includes test leads, battery, and soft carrying case

Model	Description
R5050	AC/DC Clamp Meter
R2990	Thermocouple Adapter
R5400	Line Splitter
R1000	Safety Test Lead Set, Double Insulated
R1020	Fused Test Lead Set
CA-05A	Soft Carrying Case
R9940	Hard Shell Carrying Case
R5050-NIST	AC/DC Clamp Meter & NIST

### Specifications

#### AC/DC Current

Range: 40, 400, 1000A  
 Accuracy: AC:  $\pm(1.9\% \text{ rdg.} + 5 \text{ dgt.})$   
 DC:  $\pm(2.5\% \text{ rdg.} + 10 \text{ dgt.})$   
 Resolution: 0.01, 0.1, 1A

#### AC/DC Voltage

Range: AC: 400, 750V  
 DC: 400, 1000V  
 Accuracy: AC:  $\pm(1.5\% \text{ rdg.} + 5 \text{ dgt.})$   
 DC:  $\pm(1\% \text{ rdg.} + 2 \text{ dgt.})$   
 Resolution: 0.1, 1V

#### Resistance

Range: 400, 4000 $\Omega$   
 Accuracy:  $\pm(1\% \text{ rdg.} + 3 \text{ dgt.})$   
 0.1, 1 $\Omega$

#### Frequency

Range: 4kHz, 10kHz  
 Accuracy:  $\pm(0.1\% \text{ rdg.} + 1 \text{ dgt.})$   
 Resolution: 1Hz, 10Hz

#### General Specifications

Range Selection: Autoranging / Manual  
 True RMS: Yes  
 Display: 4,000 count LCD display  
 Display Hold: Yes  
 Max/Min: Yes  
 Peak Hold: Yes  
 Zero Push Button Adjustment: Yes  
 Relative Mode: Yes  
 Diode Test: Yes  
 Analog Bargraph: Yes (42-segment)  
 Continuity Check: Audible signal if resistance <100 $\Omega$   
 Autoshot off: Yes (after 30 mins)  
 Power Supply: 9V Battery  
 Low Battery Indicator: Yes  
 Jaw Opening: 1.5" (40mm), up to 500 MCM  
 Overvoltage Category: CAT. III 600V, CAT. II 1000V  
 Product Certifications: CE  
 Operating Temperature: 32 to 104°F (0 to 40°C)  
 Storage Temperature: 14 to 140°F (-10 to 60°C)  
 Dimensions: 9.5 x 2.6 x 1.4"  
 (242 x 66 x 36mm)  
 Weight: 14oz (400g)