



Features

- Pocket-sized, auto-ranging digital multimeter
- Measures AC/DC voltage and current, resistance, frequency, capacitance and duty cycle
- Diode test and continuity check functions
- Data hold and Relative mode
- 4000-count LCD display
- Low battery indicator and auto power-off
- Conforms with IEC61010 Cat. II 600V
- Includes test leads, battery and carrying case

Specifications

AC/DC Voltage

Range: AC: 4, 40, 400, 600V
DC: 400mV, 4, 40, 400, 600V

Accuracy: AC: 4,40,400V $\pm(1.2\% \text{ rdg.} + 3 \text{ dgt.})$
600V $\pm(1.5\% \text{ rdg.} + 5 \text{ dgt.})$
DC: 400mV $\pm(0.8\% \text{ rdg.} + 3 \text{ dgt.})$
4,40,400V $\pm(0.8\% \text{ rdg.} + 1 \text{ dgt.})$
600V $\pm(1\% \text{ rdg.} + 3 \text{ dgt.})$

Resolution: AC: 1, 10, 100mV, 1V
DC: 0.1, 1, 10, 100mV, 1V

R5006-KIT

Electrical Test Kit

Includes:
R5006 Compact Multimeter,
R5100 AC voltage detector
R5200 Receptacle Tester
and C-820 Carrying Case



TECHNICAL DATA

AC/DC Current

Range: 400, 4000 μ A, 40, 400mA
Accuracy: AC: 400/4000 μ A $\pm(1.5\% \text{ rdg.} + 5 \text{ dgt.})$
40/400mA $\pm(2\% \text{ rdg.} + 5 \text{ dgt.})$
DC: 400/4000 μ A $\pm(1.0\% \text{ rdg.} + 3 \text{ dgt.})$
40/400mA $\pm(1.2\% \text{ rdg.} + 5 \text{ dgt.})$

Resolution: 0.1, 1, 10, 100 μ A

Resistance

Range: 400 Ω , 4, 40, 400k Ω , 4, 40M Ω
Accuracy: 400 Ω $\pm(1.2\% \text{ rdg.} + 2 \text{ dgt.})$
4/40/400k Ω $\pm(1\% \text{ rdg.} + 2 \text{ dgt.})$
4M Ω $\pm(1.2\% \text{ rdg.} + 2 \text{ dgt.})$
40M Ω $\pm(1.5\% \text{ rdg.} + 2 \text{ dgt.})$

Resolution: 0.1, 1, 10, 100 Ω , 1, 10k Ω

Capacitance

Range: 4, 40, 400nF, 4, 40, 100 μ F
Accuracy: 40, 400nF, 4, 40 μ F $\pm(4\% \text{ rdg.} + 3 \text{ dgt.})$
100 μ F $\pm(5\% \text{ rdg.} + 10 \text{ dgt.})$

Resolution: 0.001, 0.01, 0.1nF, 0.001, 0.01, 0.1 μ F

Frequency

Range: 99.9Hz, 0.999, 9.99, 99.9kHz
Accuracy: $\pm(0.5\% \text{ rdg.} + 3 \text{ dgt.})$
Resolution: 0.1Hz, 0.001, 0.01, 0.1kHz

General Specifications

Range Selection: Autoranging
Display: 4,000 count LCD display
Display Hold: Yes
Diode Test: Yes
Continuity Check: Audible signal if resistance $\leq 60\Omega$
Duty Cycle: Yes (0.1% - 99.9%)
Auto Power Off: Yes (after 30 minutes)
Power Supply: CR2032 (3V Battery)
Low Battery Indicator: Yes
Fuse Protection: Yes
Overvoltage Category: CAT. II 600V
Product Certifications: CE
Operating Temperature: 32 to 104°F (0 to 40°C)
Storage Temperature: 14 to 122°F (-10 to 50°C)
Dimensions: 4.3 x 2.3 x 0.43" (110 x 58 x 11mm)
Weight: 2.7oz (76g)

Model	Description
R5006	Digital Multimeter
R5006-KIT	Electrical Test Kit
R5006-NIST	Digital Multimeter & NIST