

TECHNICAL DATA

Features

- Measures AC/DC voltage and current, resistance, capacitance, frequency, diode and continuity
- Built-in non-contact voltage detector and double molded plastic housing
- 4,000-count backlit LCD display
- Low battery indicator and auto shut-off
- CAT III 600V safety rating
- Includes test leads and batteries

Specifications

AC/DC Voltage

Range:	AC: 4, 40, 400, 600V DC: 400mV, 4, 40, 400, 600V
Accuracy:	AC: 4, 40V $\pm(1.2\% \text{ rdg.} + 5 \text{ dgt.})$ 400, 600V $\pm(2\% \text{ rdg.} + 10 \text{ dgt.})$ DC: 400mV $\pm(1\% \text{ rdg.} + 8 \text{ dgt.})$ 4, 40V $\pm(0.5\% \text{ rdg.} + 5 \text{ dgt.})$ 400, 600V $\pm(0.8\% \text{ rdg.} + 5 \text{ dgt.})$
Resolution:	AC: 0.01, 0.01, 0.1, 1V DC: 0.1mV, 0.001, 0.01, 0.1, 1V

AC/DC Current

Range:	400 μ A, 4, 40, 400mA
Accuracy:	AC: 400 μ A, 4, 40, 400mA $\pm(2\% \text{ rdg.} + 8 \text{ dgt.})$ DC: 400 μ A, 4, 40, 400mA $\pm(1.8\% \text{ rdg.} + 5 \text{ dgt.})$
Resolution:	0.1 μ A, 0.001, 0.01, 0.1mA

Resistance

Range:	400 Ω , 4, 40, 400k Ω , 4, 40M Ω
Accuracy:	400 Ω , 4, 40, 400k Ω : $\pm(1\% \text{ rdg.} + 5 \text{ dgt.})$ 4M Ω : $\pm(1.2\% \text{ rdg.} + 10 \text{ dgt.})$ 40M Ω : $\pm(2\% \text{ rdg.} + 10 \text{ dgt.})$
Resolution:	0.1, 1, 10, 100 Ω , 1, 10k Ω

Capacitance

Range:	50, 500nF, 5, 50, 100 μ F
Accuracy:	50nF: $\pm(4\% \text{ rdg.} + 30 \text{ dgt.})$ 500nF: $\pm(3\% \text{ rdg.} + 15 \text{ dgt.})$ 5, 50, 100 μ F: $\pm(4\% \text{ rdg.} + 10 \text{ dgt.})$
Resolution:	0.01, 0.1, 1, 10, 100nF



Continued...

TECHNICAL DATA

Frequency

Range: 9.999Hz to 60kHz
Accuracy: $\pm(0.1\% \text{ rdg.} + 5 \text{ dgt.})$
Resolution: 0.001Hz to 0.001MHz

General Specifications

Range Selection: Autoranging
Display: 4,000 count LCD display
Display Hold: Yes
Diode Test: Yes
Continuity Check: Audible signal if resistance $\leq 10\Omega$

Non-Contact

Voltage Detector: Yes
Auto Power Off: Yes (after 30 minutes)
Power Supply: 2 x AAA
Low Battery Indicator: Yes
Fuse Protection: Yes
Replaceable Test Leads: No
Overrange Indicator: Yes (OL)
Overvoltage Category: CAT III 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: 4.4 x 2.3 x 1.4"
(112 x 58 x 35mm)
Weight: 6.3oz (180g)

R5099-KIT

Electrical Test Kit

Includes:
R5099 Compact Multimeter,
R5210 Receptacle Tester with GFCI,
R5110 Non-Contact Voltage Detector,
and carrying case



Model	Description
R5099	Compact Multimeter with NCV
R5099-KIT	Electrical Test Kit
R5099-NIST	Compact Multimeter with NCV with NIST