



### Features

- Autoranging multimeter and non-contact voltage detector
- Built-in flashlight
- Diode check and continuity functions
- Auto power off and data hold
- Double molded housing and test leads
- CAT III 1000V, CAT IV 600V safety rating
- Includes test leads and batteries

### R5009-KIT

Electrical Test Kit

Includes:  
R5009 Digital Multimeter,  
R5100 AC Voltage Detector,  
R5210 Receptacle Tester  
and C-820 Carrying Case



### Specifications

#### AC/DC Voltage

Range:

AC: 2, 20, 200, 600V  
DC: 200mV, 2, 20, 200, 600V

Accuracy:

AC: 2, 20V ±(1.0% rdg + 3 dgt.)  
200, 600V ±(2.3% rdg + 10 dgt.)  
DC: mV±(0.5% rdg + 3 dgt.)  
V±(1.2% rdg + 3 dgt.)

Resolution:

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

#### AC/DC Current

Range:

200, 2000µA, 20, 200mA

Accuracy:

AC: ±(2.5% rdg + 10d)  
DC: ±(2.0% rdg + 8d)

Resolution:

0.1, 1, 10, 100µA

#### Resistance

Range:

200Ω, 2, 20, 200kΩ, 2, 20MΩ

Accuracy:

200.0Ω ±(0.8% rdg + 5d)  
2.000, 20.00, 200.0kΩ  
±(1.2% rdg + 5d)  
2.000MΩ ±(5.0% rdg + 5d)  
20.00MΩ ±(10.0% rdg + 5d)

Resolution:

0.1, 1, 10, 100Ω, 1, 10kΩ

#### General Specifications

Display:

2,000 count LCD display

Display Hold:

Yes

Relative Mode:

Yes

Diode Test:

Yes

Continuity Check:

Audible signal  
if resistance ≤150Ω

Non-Contact

Voltage Detector:

Yes

Built-in Flashlight:

Yes

Auto Power Off:

Yes (after 15 minutes)

Power Supply:

2 "AAA" Batteries

Low Battery Indicator:

Yes

Replaceable Test Leads:

No

Overvoltage Category:

CAT III 1000V, CAT IV 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:

4.1 x 2.2 x 1.3"  
(104 x 55 x 32.5mm)

Weight:

5.2oz (145g)

Model	Description
R5009	Digital Multimeter
R5009-KIT	Electrical Test Kit
CA-52A	Soft Carrying Case
R5009-NIST	Digital Multimeter & NIST