



### 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:

Accuracy:

Resolution:

#### AC/DC Current

Range:

Accuracy:

Resolution:

#### Resistance

Range:

Accuracy:

Resolution:

#### General Specifications

Display:

Display Hold:

Relative Mode:

Diode Test:

Continuity Check:

Non-Contact

Voltage Detector:

Built-in Flashlight:

Auto Power Off:

Power Supply:

Low Battery Indicator:

Replaceable Test Leads:

Overvoltage Category:

Product Certifications:

Operating Temperature:

Storage Temperature:

Dimensions:

Weight:

### TECHNICAL DATA

AC: 2, 20, 200, 600V  
DC: 200mV, 2, 20, 200, 600V  
AC: 2,20V  $\pm$ (1.0% rdg + 3 dgt.)  
200, 600V  $\pm$ (2.3% rdg + 10 dgt.)  
DC: mV $\pm$ (0.5% rdg + 3 dgt.)  
V $\pm$ (1.2% rdg + 3 dgt.)  
AC: 1, 10, 100mV, 1V  
DC: 0.1, 1, 10, 100mV, 1V

200, 2000 $\mu$ A, 20, 200mA  
AC:  $\pm$ (2.5% rdg + 10d)  
DC:  $\pm$ (2.0% rdg + 8d)  
0.1, 1, 10, 100 $\mu$ A

200 $\Omega$ , 2, 20, 200k $\Omega$ , 2, 20M $\Omega$   
200.0 $\Omega$   $\pm$ (0.8% rdg + 5d)  
2.000, 20.00, 200.0k $\Omega$   
 $\pm$ (1.2% rdg + 5d)  
2.000M $\Omega$   $\pm$ (5.0% rdg + 5d)  
20.00M $\Omega$   $\pm$ (10.0% rdg + 5d)  
0.1, 1, 10, 100 $\Omega$ , 1, 10k $\Omega$

2,000 count LCD display  
Yes  
Yes  
Yes  
Audible signal  
if resistance  $\leq$ 150 $\Omega$

Yes  
Yes  
Yes (after 15 minutes)  
2 "AAA" Batteries  
Yes  
No  
CAT III 1000V, CAT IV 600V  
CE  
32 to 104°F (0 to 40°C)  
14 to 122°F (-10 to 50°C)  
4.1 x 2.2 x 1.3"  
(104 x 55 x 32.5mm)  
5.2oz (145g)

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