



**3½ DIGIT 1999 COUNTS
DIGITAL MULTIMETER
MODEL - 603**



FEATURES

- Automatic Zero adjustment.
- Display : 3½ digit LCD display (2000 Counts)
- Selected Range displayed on LCD.
- Digit Size : 18mm(H)
- Polarity : Automatic, (-) negative polarity indication.
- Over range Indication : Highest digit of '1' or '-1' is displayed.
- Operating Temperature : 0°C to 50°C
Relative Humidity : < 70%
- Storage Temperature : -20°C to 60°C
Relative Humidity : < 80% (With Battery Removed)
- Power : Single, Standard 9V battery.
- Dimension : 170mm(L) x 84mm(W) x 45mm(H)
- Weight : Approx. 250g. Including battery
- Measurement Rate : 3 measurements per second, nominal.
- Accessories : Test Leads, Spare fuse 0.8A/250V battery. Carrying Case, User Manual, Battery.

TECHNICAL SPECIFICATIONS:

Accuracy : ± (% reading + digit) one year warranty.

DC VOLTAGE

Range	Resolution	Accuracy
200 mV	100 V	±(0.5% rdg + 1 dgts)
2 V	1 mV	
20 V	10 mV	
200 V	100 mV	
1000 V	1 V	

Input Impedance : 10M
Overload Protection : 500V DC/350V AC for 15 sec.on 200mV range, 1200V DC/800V AC on all other range

AC VOLTAGE

Range	Resolution	Accuracy
200 mV	100 V	±(1.0% rdg + 4 dgts)
2 V	1 mV	
20 V	10 mV	
200 V	100 mV	
750 V	1 V	±(1.5% rdg + 4 dgts)

Input Impedance : 10M
Overload Protection : 500V DC/350V AC for 15 sec. on the 200mV range, 1200V DC/800V AC on all other range.

AC CURRENT

Range	Resolution	Accuracy
200 A	100 nA	±(1.2% rdg + 4 dgts)
2 mA	1 A	
20 mA	10 A	
200 mA	100 A	±(2.0% rdg + 4 dgts)
10 A	10 mA	

Overload Protection : 10A Input, unfuse, upto 12A for 30 sec.,
Other range Input, 0.8A/250V Fuse.
Voltage Burden : 10A range 700mV MAX.

DC CURRENT

Range	Resolution	Accuracy
200 A	100 nA	±(1.0% rdg + 1 dgt)
2 mA	1 A	
20 mA	10 A	
200 mA	100 A	±(2.0% rdg + 3 dgts)
10 A	10 mA	

Overload Protection : 10A Input, unfuse, upto 12A for 30 sec.
Other range Input, 0.8A/250V Fuse.
Voltage Burden : 10A range 700mV MAX.

RESISTANCE

Range	Resolution	Accuracy
200	0.1	±(1.0% rdg + 3 dgts)
2 K	1	±(0.8% rdg + 1 dgt)
20 K	10	
200 K	100	
2000 K	1 K	±(3.0% rdg + 3 dgts)
20 M	10 K	
200 M	100 K	±(5.0% rdg - 10 dgts)

Overload Protection : 500V DC/AC
Test Voltage : 200 range 3.2V MAX., 20M range 3.0V MAX 200M range 3.2V MAX., Other range 3.0V MAX

DIODE TEST

Test Current	Test Voltage
1.0 ± 0.6mA	3.2V MAX.

Overload Protection : 500V AC or DC rms

CONTINUITY TEST

Audible Sound Buzzer	Less than 100
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Overload Protection : 500V DC or AC rms

TRANSISTOR hFE TEST

Range	Vce	Basic DC Current
0 to 1000	2.8V ± 0.4V	10 A



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