



**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 |
|----------------------|---------------|
|----------------------|---------------|

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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