

SPECIAL FEATURES :

- High Accuracy, Digital Reading
- Instant continuity buzzer
- Recessed safety designed Input Jacks
- Automatic -ve polarity indication
- Large LCD for easy reading
- OverLoad Protection on all ranges
- Diode, Continuity Test & Transistor hFE Test.
- Automatic Zero adjustment.

GENERAL SPECIFICATIONS :

- * Sensing : Average Sensing.
- * Basic Accuracy : $\pm(0.5\%rdg + 1dgt)$
- * Display : 3½ digit Max.1999 Counts Large LCD display
- * Display Size : 18 mm
- * Measurement Rate : 3 measurements per second nominal
- * Over range Indication : MSB (highest) digit (1) or (-1) is displayed.
- * Low battery : The " " sign is displayed when the battery voltage drops below the operating Voltage.
- * Operating Temperature : 0°C to +50°C; 70%R.H.
- * Storage Temperature : -20°C to 60°C; 0-80%R.H.
(With Battery Removed)
- * Power : Single, Standard 9V battery.
- * Dimension : 170(L) x 80(W) x 40(H)mm
- * Weight : Approx. 250g (including battery)

ACCESSORIES :

Test Leads, Spare Fuse, Carrying Case,
User's Manual & Battery.

OPTIONAL ACCESSORIES:

Current Clamp Adaptor CA500, CA1000, CA2000,
High Voltage Probe PD-28.

8 FUNCTIONS 30 RANGES

Model 603

**10Amps RANGE
FUSED**



ELECTRICAL SPECIFICATIONS- 603

Accuracy : $\pm$ (% reading + digit) at 23 $\pm$ 5°C less than 75% RH.

DC VOLTAGE

Range	Resolution	Accuracy
200 mV	100 μ V	$\pm(0.5\%rdg + 1dgt)$
2 V	1 mV	
20 V	10 mV	
200 V	100 mV	
1000 V	1 V	

Input Impedance : 10M Ω

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

AC VOLTAGE

Range	Resolution	Accuracy
200 mV	100 μ V	$\pm(1.0\%rdg + 4dgt)$
2 V	1 mV	
20 V	10 mV	
200 V	100 mV	
1000 V	1 V	$\pm(1.5\%rdg + 4dgt)$

Input Impedance : 10M Ω

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

TRANSISTOR hFE TEST

Range	Vce	Basic DC Current
0 to 1000	2.8V $\pm$ 0.4V	10 μ A

DC CURRENT

Range	Resolution	Accuracy
200 μ A	100 nA	$\pm(1.0\%rdg + 1dgt)$
2 mA	1 μ A	
20 mA	10 μ A	
200 mA	100 μ A	
10 A	10 mA	$\pm(2.0\%rdg + 3dgt)$

Overload Protection : 10A Input fused upto 12A for 30 sec.

Other range Input, 0.8A/250V Fuse.

Voltage Burden : 10A range 700mV MAX.

CONTINUITY TEST

Audible Sound Buzzer
Less than 100 Ω

Overload Protection :

500V DC or AC rms

DIODE TEST

Test Current	1.0 $\pm$ 0.6mA
Test Voltage	3.2V MAX.

Overload Protection : 500V DC or AC rms

AC CURRENT

Range	Resolution	Accuracy
200 μ A	100 nA	$\pm(1.2\%rdg + 4dgt)$
2 mA	1 μ A	
20 mA	10 μ A	
200 mA	100 μ A	
10 A	10 mA	$\pm(2.0\%rdg + 4dgt)$

Overload Protection : 10A Input fused upto 12A for 30 sec.

Other range Input, 0.8A/250V Fuse.

Voltage Burden : 10A range 700mV MAX.

RESISTANCE

Range	Resolution	Accuracy
200 Ω	0.1 Ω	$\pm(1.0\%rdg + 3dgt)$
2 K Ω	1 Ω	$\pm(0.8\%rdg + 1dgt)$
20 K Ω	10 Ω	
200 K Ω	100 Ω	
2000 K Ω	1 K Ω	$\pm(3.0\%rdg + 3dgt)$
20 M Ω	10 K Ω	
200 M Ω	100 K Ω	

Overload Protection : 500V DC/AC

Test Voltage : 200 Ω range 3.2V MAX., 20M Ω range 3.0V
MAX., 200M Ω range 3.2V MAX., Other range 3.0V MAX

All Specifications are subject to change without prior notice