

INTRODUCTION

Digital Multimeter Model - 603 is a 3 1/2 digits meter with steady operations, and highly reliable hand-held measuring instrument having different measurement positions. The Multimeter not only can measure AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Diode & Continuity Test, and Transistor Test but also has range Display

GENERAL SPECIFICATIONS

- High Accuracy
- Large LCD for easy reading.
- Digit Size : 25mm(H)
- Instant Continuity Buzzer.
- Overload Protection on All Ranges.
- Recessed Safety Designed Input Jacks.
- Automatic Zero adjustment.
- Display :3 1/2 digit LCD. Maximum reading 1999 with automatic sign and Function annunciators
- Overrange indication :MSB (highest) digit (1) or (-1) is displayed.
- Low battery : " " is displayed when The battery voltage drops below the operating voltage.
- Measurement rate :3 measurements per second, nominal.
- Operating temperature : 0°C to + 50°C-70% RH.
- Storage temperature : -20°C to 60°C, 0-80% RH with battery removed
- Accuracy : Accuracy specifications at 23 ± 5°C less than 75% RH
- Power: Single 9 V Battery
- Dimension : 185mm (L),97mm(W), 43mm(H) :
- Weight: Approx (318 grams) including battery
- Accessories : Test leads, Spare Fuse, Operating Manual, Battery, Carrying Case.



*Technical Specifications & Appearance are subject to change without prior notice

ELECTICAL SPECIFICATIONS:

DC VOLTAGE

Range	Resolution	Accuracy ± (a% +b)
200.0mV	0.1mV	±(0.5% +1)
2.000V	1mV	
20.00V	10mV	
200.0V	1000mV	
1000V	1V	±(0.8% +2)

OL. Protection : 250Vrms for 15 Sec. On 200mV range,
: 1000Vrms on all other range

Input Impedance : 10MΩ

AC VOLTAGE

Range	Resolution	Accuracy ± (a% +b)
200.0mV	0.1mV	±(1.0% +4)
2.000V	1mV	
20.00V	10mV	
200.0V	1000mV	
750V	1V	±(0.8% +2)

OL. Protection : 500Vrms DC/350V AC For 15 sec. On
: 200Vrms, 1200V DC/1000VAC on
all other range

Input Impedance : 10MΩ

AC CURRENT

Range	Resolution	Accuracy ± (a% +b)
200.0μA	0.1μA	±(1.2% +3)
2.000mA	1μA	
200.0mA	100μA	±(1.8% +3)
20.00A	10mA	±(3.0% +5)

OL. Protection : 20A range : Continuous measure time
is less than 10sec.

DC CURRENT

Range	Resolution	Accuracy ± (a% +b)
200.0μA	0.1μA	±(0.8% +3)
2.000mA	1μA	
200.0mA	100μA	±(1.5% +1)
20.00A	10mA	±(2.0% +5)

OL. Protection : 20A range : Continuous measure time is
less than 10sec.

CAPACITANCE

Range	Resolution	Accuracy ± (a% +b)
20nF	10pF	±(4.0% +3)
2μF	1nF	
200μF	100nF	≤ 50μF±(5.0% +4) >50μF Reference

OL. Protection : 250Vrms.
Assurance accuracy range ; 5~95%

TRANSISTOR hFE TEST

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

DIOE TEST

Resolution	Accuracy ± (a% +b)
1mV	0.5V ~ 0.8V

OL. Protection : 600Vrms.

CONTINUITY TEST

Audible Sound Buzzer	Less than 10Ω
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OL. Protection : 600Vrms.

RESISTANCE

Range	Resolution	Accuracy
200 Ω	0.1 Ω	±(1.0% rdg +3dgts)
2 KΩ	1 Ω	±(0.8% rdg +1dgts)
20 KΩ	10 Ω	
200 KΩ	100 Ω	
2000 KΩ	1 KΩ	±(3.0% rdg +3dgts)
20 MΩ	10 KΩ	
200 MΩ	100 KΩ	

OL. Protection : 600Vrms
For 200MΩ, the open circuit volage is
about 2.8V, the short circuit resistance
is about 1MΩ
For other ranges, the open circuit
voltage is about 0.7V.

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