KUSAM-MECO®
An ISO 9001:2015 Company

3½ DIGIT 1999 COUNTS DIGITAL MULTIMETER

THINK SAFETY
THINK KUSAM-MECO®

8 FUNCTIONS 30 RANGES

Model 603

10Amps RANGE FUSED

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 :** ±(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, CA2000, High Voltage Probe PD-28.

ELECTRICAL SPECIFICATIONS- 603

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

DC VOLTAGE

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

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

DC CURRENT

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

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

AC CURRENT

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

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

AC VOLTAGE

Range	Resolution	Accuracy
200 mV	100 mV	±(1.0%rdg + 4dgts)
2 V	1 mV	
20 V	10 mV	
200 V	100 mV	
1000 V	1 V	±(1.5%rdg + 4dgts)

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

CONTINUITY TEST

Audible Sound Buzzer
Less than 100W

Overload Protection : 500V DC or AC rms

RESISTANCE

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

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

TRANSISTOR hFE TEST

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

DIODE TEST

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

Overload Protection : 500V DC or AC rms

All Specifications are subject to change without prior notice

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