KUSAM-MECO®
An ISO 9001:2015 Company

3½ DIGIT 1999 COUNTS DIGITAL MULTIMETER

THINK SAFETY
THINK KUSAM-MECO®

8 FUNCTIONS 23 RANGES

Model 108

10Amps RANGE FUSED



SPECIAL FEATURES :

- 10 A Fused
- High Accuracy, Large LCD, Digital reading
- Alarm Buzzer sounds when the lead is connected to the wrong input terminals.
- Instant Continuity Buzzer.
- Battery check function

FEATURES :

- Overload protection on all function ranges
- Recessed safety designed input jacks.
- Transistor hFE Test & Battery Test
- Diode & Continuity Test

ACCESSORIES :

Test Lead pair, Battery installed, User's manual, Carrying case, Protective Holster.

OPTIONAL ACCESSORIES :

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

GENERAL SPECIFICATIONS :

- **Sensing :** Average Sensing.
- **Basic Accuracy :** ±(0.5%rdg + 1dgt)
- **Display :** 3½ digit LCD display (2000 Counts)
- **Digit Size :** 13.5mm
- **Measurement Rate :** 2.5 measurements per second, nominal.
- **Polarity :** Automatic, positive implied, (-) negative polarity indication.
- **Over range Indication :** '1' or '-1' displayed
- **Operating Temperature :** 0°C to 50°C; R.H. <75%
- **Storage Temperature :** -20°C to 60°C; R.H. <80%
- **Power :** Single, Standard 9V battery
- **Dimension :** 151mm(L)x70mm(W)x38mm(H)
- **Weight :** Approx. 200g. (Including battery)

ELECTRICAL SPECIFICATIONS : 108

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

DC VOLTAGE

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

Input Impedance : 10MW
Overload Protection : 600 V DC for 15 sec on 200mV range, 600 VDC / AC on other range

AC VOLTAGE

Range	Resolution	Accuracy
200 V	100 mV	±(3%rdg + 4dgts)
600 V	1 V	

Input Impedance : 4.5 MW
Overload Protection : 600 V DC / AC

DC CURRENT

Range	Resolution	Accuracy
2 mA	1 mA	±(2.0%rdg + 1dgt)
20 mA	10 mA	
200 mA	100 mA	
10 A	10 mA	±(3.0%rdg + 1dgt)

Overload Protection : 0.8A/250V Fuse; 10A / 25V fused.
Voltage Burden : 10A range 700mV MAX.

DIODE TEST

Range	Test Voltage	Accuracy
1.0 ± 0.6mA	3.0V MAX	±(3.0%rdg + 3dgts)

Overload Protection : 500V DC / AC rms

FREQUENCY

Range	Accuracy
0 - 20 kHZ	± 2.5%

Overload Protection : 500V DC / AC rms

CONTINUITY TEST

Audible Sound Buzzer
Less than 100W

Overload Protection : 500V DC / AC rms

RESISTANCE

Range	Resolution	Accuracy
200 W	100 mW	±(1.5%rdg + 3dgts)
2 KW	1 W	±(1.5%rdg + 1dgt)
20 KW	10 W	
200 KW	100 W	
2 MW	1 KW	
20 MW	10 KW	±(3.0%rdg + 3dgts)

Overload Protection : 500V DC or AC rms

TRANSISTOR hFE TEST

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

BATTERY TEST

Range	Test Voltage	Accuracy
1.5 V	1 mV	±(3.0%rdg + 3dgts)
9 V	10 mV	

Load Current : 1.5V-150mA, 9V-6mA
Overload Protection : 500 V DC / AC rms

All Specifications are subject to change without prior notice

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