

KUSAM-MECO[®]**3 1/2 DIGIT 1999 COUNTS DIGITAL MULTIMETER**

An ISO 9001:2008 Company

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 CA 300, Current Clamp Adaptor CA500, CA1000, CA2000, High Voltage Probe PD-28.

GENERAL SPECIFICATIONS :

- * **Sensing** : Average Sensing.
- * **Basic Accuracy** : $\pm(0.5\%rdg + 1dgt)$
- * **Display** : 3 1/2 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)

8 FUNCTIONS 23 RANGES**Model 108**10Amps RANGE
FUSED**ELECTRICAL SPECIFICATIONS : 108**

Accuracy : \pm (% reading + digit) at $23 \pm 5^\circ\text{C}$ less than 75% RH.

DC VOLTAGE

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

Input Impedance : 10M Ω

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	$\pm(3\%rdg + 4dgt)$
600 V	1 V	

Input Impedance : 4.5 M Ω

Overload Protection : 600 V DC / AC

DC CURRENT

Range	Resolution	Accuracy
2 mA	1 μA	$\pm(2.0\%rdg + 1dgt)$
20 mA	10 μA	
200 mA	100 μA	$\pm(3.0\%rdg + 1dgt)$
10 A	10 mA	

Overload Protection : 0.8A/250V Fuse; 10A / 25V fused.

Voltage Burden : 10A range 700mV MAX.

DIODE TEST

Range	Test Voltage	Accuracy
1.0 \pm 0.6mA	3.0V MAX	$\pm(3.0\%rdg + 3dgt)$

Overload Protection : 500V DC / AC rms

FREQUENCY

Range	Accuracy
0 - 20 kHz	$\pm 2.5\%$

Overload Protection : 500V DC / AC rms

CONTINUITY TEST

Audible Sound Buzzer
Less than 100 Ω

Overload Protection : 500V DC / AC rms

RESISTANCE

Range	Resolution	Accuracy
200 Ω	100 m Ω	$\pm(1.5\%rdg + 3dgt)$
2 K Ω	1 Ω	
20 K Ω	10 Ω	$\pm(1.5\%rdg + 1dgt)$
200 K Ω	100 Ω	
2 M Ω	1 K Ω	$\pm(3.0\%rdg + 3dgt)$
20 M Ω	10 K Ω	

Overload Protection : 500V DC or AC rms

TRANSISTOR hFE TEST

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

BATTERY TEST

Range	Test Voltage	Accuracy
1.5 V	1 mV	$\pm(3.0\%rdg + 3dgt)$
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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