

**KUSAM-MECO**<sup>®</sup>**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 $\mu\text{V}$	$\pm(0.5\%rdg + 1dgt)$
2 V	1 mV	
20 V	10 mV	
200 V	100 mV	
600 V	1 V	

Input Impedance : 10M $\Omega$

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 $\Omega$

Overload Protection : 600 V DC / AC

**DC CURRENT**

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

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

Voltage Burden : 10A range 700mV MAX.

**DIODE TEST**

Range	Test Voltage	Accuracy
1.0 $\pm$ 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 $\Omega$

Overload Protection : 500V DC / AC rms

**RESISTANCE**

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

Overload Protection : 500V DC or AC rms

**TRANSISTOR hFE TEST**

Range	Vce	Basic DC Current
0 to 1000	2.8V $\pm$ 0.4V	10 $\mu\text{A}$

**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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