

DIGITAL MULTIMETER MAS830L

APPLICATION: This is a 3½ Digits multimeter with Backlight. This instrument can be used to measure AC/DC Voltage, DC Current, Resistance, Diode, Continuity and other parameters. It is an ideal tool for the Electricians, Engineers, Laptop & Mobiles & Electronics appliances Repairing Centre, Factories, Industries, Laboratories, Students, Household.

FEATURES:

- Display: 3 ½ digit display with 1999 counts
- Over Range Indication: "1"
- Polarity Indication Negative Polarity "-"
- Operating Temperature & Humidity: 0°C to 40°C < 75% RH
- Storage Temperature & Humidity: -10°C to 50°C < 75% RH
- Polarity Indication: Displayed for Negative Polarity
- Data hold Function. Back Light
- Low Battery Indication
- Fuse Protection: F 200mA/250V
- **CAT II 600V**
- Power supply: 9 Volt batteries
- Unit Size: 138 X 69 X 31 mm
- Display Size: 20x45mm
- Weight: Approx.170g. (Including Batteries)



SPECIFICATION:

DC VOLTAGE

RANGE	RESOLUTION	ACCURACY
200mV	100μV	±0.5% of rdg ±2 digits
2V	1mV	
20V	10mV	
200V	100mV	
600V	1V	±0.8% of rdg ±2 digits

Over load Protection: 250Vrms. For 200mV range and 600V dc or rms. AC for other range.

AC VOLTAGE

RANGE	RESOLUTION	ACCURACY
200V	100mV	±1.2% of rdg ±10 digits
600V	1V	±1.2% of rdg ±10 digits

Over load Protection: 600V dc or rms. AC for other ranges.



Frequency range: 40Hz to 400Hz. **Response:** Average responding, Calibrated in rms. Of a sine wave.

DC CURRENT

RANGE	RESOLUTION	ACCURACY
200μA	0.1μA	±1% of rdg ±2 digits
2mA	1μA	
20mA	10μA	
200mA	100μA	±1.5% of rdg ±2 digits
10A	10mA	±3% of rdg ±2 digits

Over load Protection: F 200mA/250V fuse. (10A range unfused)

DIODE & CONTINUITY

RANGE	DESCRIPTION
	If continuity exists (about less than 1.5kΩ), built-in buzzer will sound
	Show the approx. forward voltage drop of the diode.

Overload Protection: 250V DC or rms. AC

RESISTANCE

RANGE	RESOLUTION	ACCURACY
200Ω	0.1Ω	±0.8% of rdg ±3 digits
2kΩ	1Ω	
20kΩ	10Ω	
200kΩ	100Ω	
2MΩ	1kΩ	±1.0% of rdg ±2 digits

Maximum open circuit voltage: 3.2V

Overload Protection: 250V DC or rms. Ac for all ranges.

TRANSISTOR hFE TEST (0-1000)

RANGE	TEST RANGE	TEST CURRENT	TEST VOLTAGE
NPN & PNP	0-1000	I _b =10μA	V _{ce} =3V

SAFETY INFORMATION:

This Multimeter has been designed according to IEC-1010 concerning electronic measuring instruments with an overvoltage category (CAT II) and Pollution 2.

ACCESSORIES: Instruction Manual, 1 Set test leads & 1pc 9Volt battery.

