



Features

- ✓ Auto Ranging 3 ¾ digits (3999) LCD-Display.
- ✓ True RMS reading for ACV & ACA
- ✓ 2 in 1 Clamp Meter + Digital Multimeter.
- ✓ Overload protection for all ranges.
- ✓ Data Hold, Relative Key Facility
- ✓ Water Resistant front panel, Fireproof heavy-duty ABS Casing.
- ✓ Current Sensor-Hall Effect Sensor
- ✓ Over Range Indication: 'OL' is displayed.
- ✓ Max Conductor size 60mm approx.
- ✓ Power - one 9V battery type (6F22)

DCM 39A/9930A

Digital Clamp Meter

Motwane's Digital Clamp Meter DCM 39A & DCM 9930A are highly precise, industrial grade, Trms, auto ranging clamp meters with 3 ¾ digit display. Both these clamp meters can be used as multimeter with test leads for AC/DC Current measurements up to 400 mA, AC/DC Voltage, Resistance, Frequency, Capacitance, Duty Cycle and Diode, Continuity etc. These clamp meters are provided with safety features like water resistant front panel, fireproof heavy-duty ABS casing. It uses a Hall Effect Sensor for measuring the current. The model DCM 39A measures AC/DC currents up to 1000A. The model DCM 9930A measures AC/DC currents up to 2000A.

Applications

- Generation, Transmission & Distribution
- Substation Process Industries.
- OEM's
- Railway's
- Telecom Industries
- Service Industries

General

Display	3 ¾ Digits LCD display.
Dimension	255 mm (H) X 73 mm (W) X 38 mm(L) (approx.)
Net weight	515 gm with battery (approx.)

Power

Power Supply	9V Battery Type 6F22
---------------------	----------------------

Standard Accessories

Pair of Test leads, User Manual, One 9V Battery installed

AC/DC Current (True rms for AC)- DCM39A

Range	Resolution	Input	Accuracy
400 µA	0.1 µA	Direct Input (by using leads)	± 1.2% ± 5dgt
4000 µA	1 µA		± 1.2% ± 5dgt
40 mA	0.01 mA		± 1.2% ± 5dgt
400 mA	1 mA		± 1.2% ± 5dgt
400 A	0.1 A	Indirect Input (by using clamp)	± 2% ± 8dgt
1000 A	1 A		± 2% ± 8dgt

Overload Protection : AC/DC 500mA(Fuse) | AC/DC 1000A/1000V | Frequency Response : 45Hz - 1KHz

Common Technical Specification for DCM39A and DCM9930A
DC Voltage

Range	Resolution	Accuracy	Overload protection
400mV	0.1 mV	± 0.5% ± 2dgt	1000V DC OR 1000V AC rms (Sine wave)
4V	0.001 V	± 1% ± 2dgt	
40V	0.01 V	± 1% ± 2dgt	
400V	0.1 V	± 1% ± 2dgt	
1000V	1 V	± 1% ± 2dgt	

Input Impedance : 10MΩ (Approx)

AC Voltage

Range	Resolution	Accuracy	Overload protection
4V	0.001 V	± 1.2% ± 5dgt	1000V DC OR 1000V AC rms (Sine wave)
40V	0.01 V	± 1.2% ± 5dgt	
400V	0.1 V	± 1.2% ± 5dgt	
1000V	1 V	± 1.2% ± 5dgt	

Input Impedance : 10MΩ (Approx) | Frequency Response : 45Hz - 1KHz

Resistance Range

Range	Resolution	Input	Accuracy
400 Ω	0.1 Ω	± 1% ± 5dgt	400V DC/AC RMS (Sine wave)
4 KΩ	1 Ω	± 1% ± 5dgt	
40 KΩ	10 Ω	± 1% ± 5dgt	
400 KΩ	100 Ω	± 1% ± 5dgt	
4 MΩ	1 KΩ	± 2% ± 2dgt	
40 M	10 K	± 3.5% ± 5dgt	

Capacitance Range

Range	Resolution	Input	Accuracy
50Hz	0.01HZ	± 1% ± 5dgt	1000V AC/DC
500Hz	0.1Hz	± 1% ± 5dgt	
5KHz	1Hz	± 1% ± 5dgt	
50KHz	0.01 kHz	± 1% ± 5dgt	
100KHz	0.1 KHz	± 1% ± 5dgt	

Amplitude : < 5V

Duty Cycle

Range	Resolution	Accuracy	Overload protection
0.1%-99%	0.1%	± 1% ± 5dgt	1000 V AC/DC

Diode : Measures forward voltage drop

Continuity Check : Buzzer sound if Resistance < 10