



Features

- ✓ 3 ¾ digit LCD, 4000 counts, multi-function 1000A AC/DC.
- ✓ Large Jaw Size : 60mm.
- ✓ Function Rich, AC/DC Current, AC/DC Voltage, Resistance, Diode, Continuity, Capacitance, Frequency and Duty Cycle.
- ✓ Large Backlit display with rich annunciations.
- ✓ Auto Power Off for battery life saving.
- ✓ Relative Reading and Data Hold Functions.
- ✓ Ergonomic Design for holding.
- ✓ Suitable for use in Appliance Testing, Portable Tools, Building Wiring
- ✓ Testing of Electronic / Electrical Products.

DCM49A

Digital Clamp Meter

CAT II

600V

DCM49A is a general-purpose 3 ¾ digit AC / DC Clamp Meter with a backlit LCD display. The jaw opening is 60mm approx. & can measure AC / DC current through the clamp up to 1000A. It also measures DC Voltage-1000V, AC voltage-700V, and resistance up to 40M , frequency 10 MHz with duty cycle, continuity & diode measurements. This meter also has a capacitance range of up to 100QF & is powered by one 9V battery.

Applications

- Power Utility
- Industries
- Electrical Contractor
- Telecommunication
- Railway

Accuracy

Accuracy are claimed from 10% of range to 95% of the range.

All claim of Accuracy are at decade value i.e 10, 100 tec.

Accuracy is specified as \pm (% of reading + offset in least count digits)

Accuracy claims at 23°C \pm 3°C, 55% \pm 10% RH Humidity.

General

Display	4000 Counts, LCD display
Dimensions	260 mm(W) X 91 mm(H) X 44.5 mm(D) approx
Weight	500g. approx

Environmental

Operating Temperature	0°C to 40°C <80% RH (Non condensing)
Storage Temperature	- 10°C to 60°C <80% RH (Non condensing)
Temperature coefficient	Battery Removed 0.1 X Accuracy / deg C.

Power

Power Supply	9V Battery NEDA 1604 / Type 6F22/006P
Auto Power OFF	30 min of Ideal condition consumption is 1.3mA approx. (Can be cancelled by pushing any except for - Hold & SELECT key before power on the meter).

Safety

In accordance with IEC61010-1 and IEC61010-2-32, Double insulation
DC 1000V and AC 700V, CAT II and pollution degree II

Standard Accessories

Pair of Test leads, User Manual, Battery installed

Range	Accuracy	Overload Protection	Input Impedance
4V	\pm (1.5% + 10d)	1000V DC OR 750 V AC rms	100M
40V			
400V			
1000V			

AC Voltage (50-500Hz) Trms

Range	Accuracy	Overload Protection	Input Impedance
4V	\pm (1.5% + 10d)	1000V DC OR 750 V AC rms	100M
40V			
400V			
700V			

DC/AC (50-60Hz) : (Manual Ranging)

Range	Resolution	Accuracy	Overload protection
400A	0.1A	±(2.5% + 10d)	102% of Full scale for <60 Sec.
1000A	1A		

Resistance Range (Auto/Manual)

Range	Resolution	Overload Protection
400 Ω	±(1% + 5d)	250V DC/AC rms
4 KΩ		
40 KΩ		
400 KΩ		
4 MΩ		
40 MΩ		

Capacitance Range (Auto Ranging)

Range	Accuracy	Overload Protection	Open Circuit Voltage
100 μF	±(3.0% + 10d)	250V DC or AC rms	<0.8V

Diode Test : Measure forward voltage drop. Evers circuit. Voltage approx. 1.5V Input protected upto 250V DC or AC rms.

Continuity : Buzzer sound if resistance <50 Ω, Input protected upto 250V DC or AC rms.

Frequency Ranges (Auto Ranging Only)

Range	Accuracy	Sensitivity	Overload Protection
10 MHz	±(0.5% + 10d)	4V	250V rms AC or DC

Duty Cycle

Range	Accuracy	Sensitivity	Overload Protection
0.1%-99.9%	0.1%	4V	250V rms AC or DC

Note : Its use is not advised on multi phase high energy circuits where heavy transient are likely to occur.