



Digital Clamp Meter **DCM 49 A**

FEATURES

- 3 $\frac{3}{4}$ 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.

GENERAL SPECIFICATION :

- **Dimensions** : 260mm x 91mm X 44.5mm (approx).
- **Weight** : Approx 500gms.
- **Supplied Accessories** : Pair of Leads, Instruction Manual, Battery Installed.
- **Safety** : In accordance with IEC61010-1 and IEC61010-2- 32, double insulation DC 1000V and AC 700V, CAT-II and pollution degree II.

TECHNICAL SPECIFICATIONS

AC/DC CURRENT : (MANUAL RANGING) (50-60Hz)

Range	Resolution	Accuracy	Overload Protection
400A	0.1A	±(2.5% +10d)	120% of Full Scale for <60 sec.
1000A	1A		

DC VOLTS : (AUTO / MANUAL RANGING)

Range	Accuracy	Overload Protection	Input Impedance
4V	± (1.5% +10d)	DC 1000V or AC 750V rms.	10MΩ(Approx)
40V			
400V			
1000V			

RESISTANCE : (AUTO / MANUAL RANGING)

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

Diode : Measure forward voltage drop. Reverse Circuit. Voltage approx 1.5V. Input protected up to 250V DC or AC rms.

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

ACCURACY :

- All accuracies are claimed from 10% of the range to 95% of range.
- All claims of accuracy are at decade values i.e. 10, 100 etc.
- Accuracy is specified as ± (% of reading + offset in least count digits).
- Accuracy claim is at 23°C ± 3°C , 55% ±10% RH.

Note : Its use is not advised on Multi phase High Energy Circuits where heavy transients are likely to occur.

AC VOLTS : (AUTO / MANUAL RANGING)

Range	Frequency Response	Accuracy	Overload Protection	Input Impedance
4V	40Hz -400Hz	±(1.5% +10d)	DC1000V or AC 750V rms.	10MΩ 30pF (Approx)
40V				
400V				
700V				

CAPACITANCE : (AUTO RANGING)

Range	Accuracy	Overload Protection	Open Circuit Voltage
100μF	±(3% + 10d)	250V rms AC or DC	<0.8V

FREQUENCY :

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

DUTY CYCLE :

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

ENVIRONMENTAL :

Operating Temperature : 0°C to 40°C, <80%RH (Non Condensing).

Storage Temperature : -10° to + 60° < 80%RH (Non Condensing), Battery Removed.

Temperature Coefficient : 0.1 X Accuracy / deg C.

POWER :

Power Source is one 9V Battery NEDA 1604 / 6F22 / 006P
Auto Power OFF : 30 mins. of idle condition.

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NOTES

1.The Instrument is accompanied with Test & calibration sheet. 2.Test Facilities can be provided at the factory with the available test set-ups only. 3.The Company's policy is continuous improvement of its products. we therefore reserve the Right of any deviation from illustration or specifications without notice. 4.Stated accuracies are valid from 1/10th of range to FS. 5.Accuracy Specified for temperature range of 25°C ± 5°C & 55%RH ± 10%.



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