

DIGITAL CLAMP METER
DCM33A

MEASUREMENT ATTRIBUTES **FULLY LOADED**

- Average, $3\frac{3}{4}$ digits (4000 counts), Auto/Manual ranging
- 1000V AC/DC & Up to 1000A AC
- 55mm clamp jaw size
- Capacitance / Diode / Continuity / Frequency Testing
- Auto power off / Data Hold / Zero Adjustment



TECHNICAL SPECIFICATION

AC Current (through clamp)

Range	Resolution	Accuracy (% of reading)
40.00 A	0.01A	± (2.5% + 10 digits)
400.0 A	0.1A	± (2.5 % + 5 digits)
1000 A	1A	± (3.0 % + 4 digits)

DC-Voltage

Range	Resolution	Accuracy (% of reading)	Input Impedance
4.000 V	0.001V	± (0.5% + 3 digits)	10MΩ
40.00 V	0.01V		
400.0 V	0.1V		
1000 V	1V		

AC Voltage

Range	Resolution	Accuracy (% of reading)	Input Impedance
400.0 mV	0.1mV	± (1.0% + 8 digits)	10MΩ
4.000 V	0.001V	± (1.0% + 4 digits)	
40.00 V	0.01V		
400.0 V	0.1V		
1000 V	1V		

Note : No Auto ranging at 400mV AC voltage range

Resistance

Range	Resolution	Accuracy (% of reading)
400.0Ω	0.1Ω	± (1.0% + 4 digits)
4.000KΩ	1Ω	± (1.0% + 2 digits)
40.00KΩ	10Ω	
400.0KΩ	100Ω	
4.000MΩ	1KΩ	± (1.5% + 3 digits)
40.00MΩ	10KΩ	± (2.0% + 3 digits)

Display	: LCD
Capacitance (Auto ranging)	: 40nF to 100μF (Refer user manual for details)
Frequency	: 5Hz to 10MHz (Up to ±1.2% till 500KHz & ±1.5% for 10MHz)
Frequency (Sensitivity)	: 10V rms min.
Duty cycle (digits)	: 0.5 to 99.0% (±1.2% reading + 2 Pulse width 100μs - 100ms)
Diode Test	: Test current of 0.3mA typical; Open circuit voltage 1.5V DC typical
Continuity Check	: Threshold <100Ω ; Test current < 1mA
Sampling Rate	: 2 per second, nominal
Operating Temperature	: -10 to 50°C
Relative Humidity	: 90% (0°C to 30°C), 75% (30°C to 40°C), 45% (40°C to 50°C)
Battery	: One "9V" Battery
Dimensions/Weight	: 270 x 107 x 50mm / 500g approx.
Safety	: CAT III 1000V, CAT IV 600V
Standard Accesories	: Test leads, Calibration certificate, Instruction manual, Carrying case



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.



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