



DT-3390

AC CLAMP METER

This is a 3 - $\frac{3}{4}$ 9999 counts Backlit LCD display, AC current clamp meter. It is CE approved and has auto power off, Data Hold Relative Measurement and Non Contact Voltage Detector Functions.

It is used to measure AC Current upto 1000A AC, AC/DC Voltage, Resistance, Capacitance Frequency, Duty Cycle, Diode and Continuity Test facilities.

It Confirms to CAT III 600V and CAT IV 1000V Standards Overload Protection of 600V AC/DC on all ranges.

DT-3390


AC Clamp Meter



Input Limits

Function	Maximum Input
AAC	1000A
VDC,VAC	1000V DC/AC
Frequency, Resistance, Diode, Continuity, CAP	600V DC/AC

General Specifications

Clamp size	Opening 2" (52mm) approx.
Diode Test	Test current of 0.3mA typical; Open circuit voltage 1.5V DC typical
Continuity Check	Threshold < 150Ω; Test current <0.5mA
Low Battery Indication	"  " is displayed
Over range Indication	"OL" is displayed
Relative Measurement	Helps to measure any parameter with respect with a set value
Data Hold	Freezes Displayed Data
Measurements Rate	2 per second, nominal
Input Impedance	10M Ω (VDC and VAC)
Display	3 - $\frac{3}{4}$ Digits 4000 counts Backlit LCD
AC Current	50 - 60Hz (AAC)
AC Voltage Bandwidth	50 - 400Hz (VAC)
Operating Temperature	5 to 40°C (41 to 104°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Operating Humidity	Max 80% up to 31°C (87°F) decreasing linearly to 50% at 40°C (104°F)
Storage Humidity	<80%
Operating Altitude	7000ft. (2000meters) maximum
Battery	One 9V Battery
Auto Power Off	approx. 30 minutes
Dimensions/Weight	270 x 100 x 47mm; 450g
Safety	For indoor use and in accordance with the requirements for double insulation to IEC1010-1 (2001): EN61010-1 (2001) Overvoltage Category III 1000V and Category IV 600V, Pollution Degree 2

Contact :

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Electrical Specifications

Function	Range & Application	Accuracy (% of reading)
AC Current (50/60Hz)	40.00 AAC	±(2.2% + 12 digits)
	400.0 AAC	±(2.5% + 5 digits)
	1000 AAC	
DC Voltage	400.0 mVDC	±(0.8% + 2 digits)
	4.000 VDC	±(1.5% + 2 digits)
	40.00 VDC	
	400.0 VDC	
	1000 VDC	±(2% + 4 digits)
AC Voltage	4.000 VAC	±(1.5% + 8 digits)
	40.00 VAC	
	400.0 VAC	
	1000 VAC	±(2% + 4 digits)
Resistance	400.0Ω	±(1.0% + 4 digits)
	4.000KΩ	±(1.5% + 2 digits)
	40.00KΩ	
	400.0KΩ	
	4.000MΩ	±(2.5% + 3 digits)
	40.00MΩ	±(3.5% + 5 digits)
Capacitance	40.00nF	±(5.0% reading + 30 digits)
	400.0nF	±(3.0% reading + 5 digits)
	4.000μF	±(3.5% reading + 5 digits)
	40.00μF	
	100.0μF	±(5.0% reading + 5 digits)
Frequency Sensitivity : >5V RMS (5Hz to 10MHz)	9.999Hz	±(1.5% of reading ± 5 digits)
	99.99Hz	
	999.9Hz	±1.2% of reading ± 3 digits
	9.999kHz	
	99.99kHz	
	999.9kHz	
9.99MHz	±1.5% of reading ± 4 digits	
Duty Cycle Sensitivity : >5V RMS, Pulse width: >100uS, <100ms	0.1% - 99.9%	±1.2% of reading ± 2 digits

Accuracy is stated at 18°C to 28°C (65°F to 83°F) and less than 75%RH

Accessories

Test Leads, Battery, Instruction Manual, Battery, Test Certificate, Carrying Case.

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