

SMART CLAMP METER

Model : CM-9941

ISO-9001, CE, IEC1010

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The Art of Measurement

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Model : CM-9941

FEATURES	
* Smart operation, Build in 3 intelligent function : " V ", " Ω " and " A " .	* Jaw section is designed to meet IEC 1010 CATIII 600V safety requirement.
* " V " function can select ACV, DCV automatically with auto range.	* Under the " V " or " A " function if press the " Hz " can measure the frequency value .
* " Ω " function can select the Resistance , Diode, Continuity beeper, Capacitance automatically with auto range.	* Measurement for ACA, ACV, DCV, Ohms, Diode, Capacitance, Hz, Continuity beeper.
* * A " function can measure ACA (60A, 600A) with auto range.	* Wide ranges (AC 60 A, AC 600 A) clamp on current.
* Data hold.	* LSI circuit provides high reliability and durability.
	* Pocket & slim housing case, easy carryout.
	* Compact & heavy duty ABS housing case.

GENERAL SPECIFICATIONS			
Display	10.8 mm (0.43") LCD, 4 digits, Max. indication 5,999.	Sampling Time	Approx. 0.35 second.
		Battery	2 x 1.5V AA (UM-3) batteries.
Measurement Range	ACA, ACV, DCV, Ohms, Diode, Hz, Capacitance, Continuity beeper.	Operating Temperature	0 °C to 50 °C (32 °F to 122 °F).
Smart function 3 intelligent function : V Ω A	" V " function can select ACV, DCV automatically with auto range.	Operating Humidity	Less than 80% RH.
	" Ω " function can select the Resistance , Diode, Continuity beeper, Capacitance automatically with auto range.	Weight	230 g/0.50 LB (including battery).
	* A " function can measure ACA (60A, 600A) with auto range.	Dimension	HWD : 178 x 64 x 33 mm (7.0 x 2.5 x 1.3 inch)
	Under the " V " or " A " function if press the " Hz " button can measure the frequency value automatically.	Max. Jaw Open Size	30 mm (1.18 inch) Dia.
		Accessories Included	Operation manual..... 1 PC. Test lead (red & black)..... 1 PC.
Polarity	Automatic Switching, " - " indicates negative polarity.	Optional	Soft carrying case, CA-52A.
Current Sensor	Hall effect sensor.	Carrying case & Adapters	Adapters : Light Adapter, Anemometer Adapter, Carrying case, Temperature Adapter, Light Adapter, Anemometer Adapter, Pressure Adapter, RH Adapter, Tachometer Adapter, High Voltage Probe.
Data hold	To freeze the display reading on the LCD display.		
Zero adjustment	Automatic adjustment.		
Over-input	Indication of " oL " or " -oL " .		

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)				
Function	Range	Resolution	Accuracy	Overload
DC/AC Voltage	6 V	0.001V	DCV: ± (1 % + 2d)	AC/DC 600 V.
	60 V	0.01V	ACV: ± (1.2 % + 5d)	
	600 V	0.1 V		
* auto range	Remark: * The input impedance is 10 M ega ohm. * ACV specification be tested on sine wave 50/60 Hz. * The ACV start measurement voltage is larger than 400 mV ± 100 mV.			
AC current	60 A	0.01 A	± (2 % + 5 d)	AC 600 A
	600 A	0.1 A	± (2 % + 8 d)	
* auto range	Remark: * ACA specification be tested on sine wave 50/60 Hz. * Measurement range : 0.10 A to 600.0 A.			
Ohms	600 ohm	0.1 ohm	± (1 % + 5 d)	AC / DC 400 V
	6 K ohm	1 ohm		
	60 K ohm	10 ohm		
	600 K ohm	100 ohm		
	6 M ohm	1 K ohm		
Capacitance	6 nF	0.001 nF	± (3% + 5d)	
	60 nF	0.01 nF		
	600 nF	0.1 nF		
	6 uF	0.001 uF		
	60 uF	0.01 uF		
Frequency	40 Hz to 1 KHz	1 Hz	± (0.3% + 2d)	same as ACV, DCV, ACA range
Diode	Short/non conductance, good/defect test.			
Continuity	If measuring resistance is less than 10 ohm, the beeper will sound .			

* Appearance and specifications listed in this brochure are subject to change without notice.

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