

# SMART CLAMP METER

Model : CM-9941

ISO-9001, CE, IEC1010



**Lutron**

LUTRON ELECTRONIC

*The Art of Measurement*

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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	" V " function can select ACV, DCV automatically with auto range.	Operating Humidity	Less than 80% RH.
3 intelligent function : V Ω A	" 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.
Polarity	Automatic Switching, " - " indicates negative polarity.	Accessories Included	Operation manual..... 1 PC. Test lead (red & black)..... 1 PC.
Current Sensor	Hall effect sensor.	Optional	Soft carrying case, CA-52A.
Data hold	To freeze the display reading on the LCD display.	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.
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	<i>Remark:</i> * 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	<i>Remark:</i> * 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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