

# mini DCA/ACA CLAMP

Model : CM-9940

ISO-9001, CE, IEC1010

## FEATURES



- \* Design meet IEC 1010 CATIII 600V safety requirement.
- \* 4000 counts, Auto range & multi-functions.
- \* Measurement for ACA, DCA, ACV, DCV, Ohms, Diode, Hz, Continuity beeper.
- \* Water resistance for the front panel.
- \* Data hold.
- \* Wide ranges ( 600 A, 400 A ) clamp on current measurement both for ACA & DCA.
- \* Overload protection circuit is provided for all range.
- \* LSI circuit provides high reliability and durability.
- \* Pocket & slim housing case, easy carryout. Compact & heavy duty ABS housing case. and durability.



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

# mini DCA /ACA CLAMP METER

## Model : CM-9940

### FEATURES

* Jaw section is designed to meet IEC 1010 CATIII 600V safety requirement.	* Wide ranges ( 600 A, 400 A ) clamp on current measurement both for ACA & DCA.
* 4000 counts, Auto range & multi-functions.	* Overload protection circuit is provided for all range.
* Measurement for ACA, DCA, ACV, DCV, Ohms, Diode, Hz, Continuity beeper.	* LSI circuit provides high reliability and durability.
* Water resistance for the front panel.	* Pocket & slim housing case, easy carryout.
* Data hold.	* Compact & heavy duty ABS housing case.

### GENERAL SPECIFICATIONS

Display	10.8 mm ( 0.43" ) LCD, 4 digits, Max. indication 5000 ( frequency range ).	Operating Humidity	Less than 80% RH.
Measurement Range	ACA, DCA, ACV, DCV, Ohms, Diode, Hz, Continuity beeper, Relative.	Weight	230 g/0.50 LB ( including battery ).
Polarity	Automatic Switching, " - " indicates negative polarity.	Dimension	HWD : 178 x 64 x 33 mm ( 7.0 x 2.5 x 1.3 inch )
Current Sensor	Hall effect sensor.	Max. Jaw Open Size	30 mm ( 1.18 inch ) Dia.
Zero adjustment	DCA : Push bottom adjustment. Other ranges : Automatic adjustment.	Accessories Included	Operation manual..... 1 PC. Test lead (red & black)..... 1 PC.
Over-input	Indication of " 1 " or " -1 ".	Optional Accessories & Adapters	Carrying case, EMF Adapter, Light Adapter, Anemometer Adapter, Pressure Adapter, Sound Adapter, Tachometer Adapter, High Voltage Probe.
Sampling Time	Approx. 0.35 second.		
Battery	2 x 1.5V AA ( UM-3 ) batteries.		
Operating Temperature	0 °C to 50 °C ( 32 °F to 122 °F ).		

### ELECTRICAL SPECIFICATIONS (23 ± 5 °C)

Function	Range	Resolution	Accuracy	Overload
DC/AC Voltage	400 mV (DC only)	0.1 mV	± ( 0.5 % + 2d )	AC/DC 600 V.
	4 V	0.001V	DCV: ± ( 1 % + 2d )	
	40 V	0.01V		
	400 V	0.1 V	ACV: ± ( 1.2 % + 5d )	
DC /AC current	400 A ACA : 0.5 to 400A	0.1 A	± ( 2 % + 5 d )	AC/DC 600 A
	600 A	1 A	± ( 2 % + 8 d )	
<b>Remark</b>	* Input impedance for ACV & DCV range is 10 Mega ohm. * ACA, ACV specification be tested on sine wave 50/60 Hz.			

Function	Range	Resolution	Accuracy	Overload
Ohms	400 ohm	0.1 ohm	± ( 1 % + 5 d )	AC / DC 400 V
	4 K ohm	1 ohm		
	40 K ohm	10 ohm		
	400 K ohm	100 ohm	± ( 2 % + 2 d )	
	4 M ohm	1 K ohm		
	40 M ohm	10Kohm	± ( 3.5 % + 5d )	
Frequency ( 5 V )	5 Hz	0.001 Hz	± ( 1 % + 5 d )	AC / DC 250 V
	50 Hz	0.01 Hz		
	500 Hz	0.1 Hz		
	5 KHz	1 Hz		
	50 KHz	0.01 KHz		
	100 KHz	0.1 KHz		
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.

0902-CM9940A