

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-9940A

FEATURES

* Design 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.	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. Conductor 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, Temperature Adapter, Light Adapter, Anemometer Adapter, Pressure Adapter, RH 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)	
	600 V	1 V		
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)	

Remark
 * 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		
	500 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.

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