

2000A DCA/ACA CLAMP+DMM

Model : CM-9930

ISO-9001, CE, IEC1010



FEATURES

- * 2 in 1, 2000 A clamp meter + Digital multimeter.
- * Meet IEC 1010 CATIII 1000V safety requirement.
- * True rms reading for ACV & ACA measurement.
- * 4000 counts, Auto range, multi-functions for ACA, DCA, ACV, DCV, Ohms, Capacitance, Hz, Diode, Duty cycle and continuity check.
- * LSI circuit provides high reliability and durability.
- * Wide ranges (2000A, 400 A) clamp on current measurement both for ACA & DCA.
- * 4 ranges (400 uA, 4000 uA, 40 mA, 400 mA) direct current input measurement both for ACA & DCA.
- * Overload protection circuit is provided for all ranges.
- * Data hold, Relative key, Back light.



LUTRON ELECTRONIC

The Art of Measurement

2000A DCA /ACA CLAMP METER + DMM, 2 in 1

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* 4000 counts, Auto range, multi-functions for ACA, DCA, ACV, DCV, Ohms, Capacitance, Hz, Diode, Duty cycle and continuity check.	* Overload protection circuit is provided for all ranges.
	* Data hold, Relative key, Back light.
* LSI circuit provides high reliability and durability.	* Compact & heavy duty ABS and fireproof plastic case.

GENERAL SPECIFICATIONS			
Display	15 mm (0.6") LCD, 4 digits, Max. indication 5000 (frequency range).	Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).
Measurement Range	ACA, DCA, ACV, DCV, Ohms, Diode, Hz, Capacitance, Duty cycle, Continuity beeper.	Operating Humidity	Less than 80% RH.
Polarity	Automatic Switching, "-" indicates negative polarity.	Weight	380 g/0.85 LB (including battery).
Current Sensor	Hall effect sensor.	Dimension	HWD : 255 x 73 x 38 mm. (10 x 2.9 x 1.5 inch)
Zero adjustment	DCA : Push bottom adjustment. Other ranges : Automatic adjustment.	Max. Jaw Open Size	51 mm (2.1 inch) Dia.
Over-input	Indication of " OL " or " -OL ".	Accessories Included	Operation manual.....1 PC Test lead (red & black).....1 Set Fuse (500 mA, 5 mm dia. x 20 mm)1 PC
Sampling Time	Approx. 0.35 second.		
Battery	DC 9V battery, heavy duty or Alkaline type, 006P, MN1604 (PP3) or equivalent.	Optional Accessories & Adapters	Carrying case, EMF Adapter, Light Adapter, Anemometer Adapter, Pressure Adapter, Sound Adapter, Tachometer Adapter, High Voltage Probe.
Power Consumption	Approx. DC 5 mA.		

ELECTRICAL SPECIFICATIONS (23± 5 °C)				
Function	Range	Resolution	Accuracy	Overload Protection
DC/AC Voltage	400 mV (DC only)	0.1 mV	± (0.5 % + 2d)	AC/DC 1000 V.
	4 V	0.001V	DCV:	
	40 V	0.01V	± (1 % + 2d)	
	400 V	0.1 V	ACV:	
	1000V	1 V	± (1.2 % + 5d)	
DC / AC Current (Direct input)	400 uA	0.1 uA	± (1.2% + 5d)	AC/DC 500 mA (Fuse)
	4000 uA	1 uA		
	40 mA	0.01 mA		
	400 mA	0.1 mA		
DC /AC current (Clamp on)	400 A	0.1 A	± (2 % + 5 d)	AC/DC 2000A/1000V
	2000 A	1 A	± (2 % + 8 d)	
Remark	* True rms measurement both for ACV, ACA function. * Input impedance for ACV & DCV range is 10 Mega ohm. * ACA, ACV frequency response is from 45 to 1 KHz. * ACA, ACV specification be tested on sine wave 50/60 Hz.			
Function	Range	Resolution	Accuracy	Overload Protection
Ohms	400 ohm	0.1 ohm	± (1 % + 5 d)	AC / DC 400V
	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		
Capacitance	50 nF	10 pF	± (3 % + 5d) * See Remark	AC / DC 400V
	500 nF	100 pF		
	5 uF	0.001 uF		
	50 uF	0.01 uF		
Frequency (> 5 V)	5 Hz	0.001 Hz	± (1 % + 5 d)	AC / DC 1000V
	50 Hz	0.01 Hz		
	500 Hz	0.1 Hz		
	5 KHz	1 Hz		
	50 KHz	0.01 KHz		
	100 KHz	0.1 KHz		
Duty cycle	1 % to 99 %	0.1 %		
Diode	Short/non conductance, good/defect test			
Continuity	If rmeasuring esistance 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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