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.

The Art of Measurement

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

Model: CM-9930

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

GENERAL SPECIFICATIONS						
Display		Operating Temp.	0 % to $50 %$ (32 $%$ to 122 $%$).			
	Max. indication 5000 (frequency range).	Operating	Less than 80% RH.			
Measurement	ACA, DCA, ACV, DCV, Ohms, Diode, Hz,	Humidity				
Range	Capacitance, Duty cycle, Continuity beeper.	Weight	380 g/0.85 LB (including battery).			
Polarity	Automatic Switching, "-" indicates	Dimension	HWD: 255 x 73 x 38 mm.			
	negative polarity.		(10 x 2.9 x 1.5 inch)			
Current Sensor	Hall effect sensor.	Max. Jaw Open	51 mm (2.1 inch) Dia.			
Zero adjustment	DCA: Push bottom adjustment.	Size				
	Other ranges: Automatic adjustment.	Accessories	Operation manual1 PC			
Over-input	Indication of " OL " or " -OL ".	Included	Test lead (red & black)1 Set			
Sampling Time	Approx. 0.35 second.		Fuse (500 mA, 5 mm dia. x 20 mm)1 PC			
Battery	DC 9V battery, heavy duty or Alkaline type,	Optional	Carrying case, EMF Adapter,			
	006P, MN1604 (PP3) or equivalent.	Accessories &	Light Adapter, Anemometer Adapter,			
Power	Approx. DC 5 mA.	Adapters	Pressure Adapter, Sound Adapter,			
Consumption			Tachometer Adapter, High Voltage Probe.			

	E	LECTRICAL SPECI	FICATIONS $(23\pm5\%)$		
Function	Range	Resolution	Accuracy	Overload Protection	
DC/AC	400 mV	0.1 mV	± (0.5 % + 2d)		
Voltage	(DC only)				
_	4 V	0.001V	DCV:	AC/DC 1000 V.	
	40 V	0.01V	± (1 % + 2d)		
	400 V	0.1 V	ACV:		
	1000V	1 V	± (1.2 % + 5d)		
DC / AC	400 uA	0.1 uA			
Current	4000 uA	1 uA		AC/DC 500 mA	
(Direct input)	40 mA	0.01 mA	± (1.2% + 5d)	(Fuse)	
` ,	400 mA	0.1 mA			
DC /AC	400 A	0.1 A	±(2%+5d)		
current				AC/DC	
(Clamp on)	2000 A	1 A	± (2 % + 8 d)	2000A/1000V	
Remark	* True rms m	easurement both for	· ACV, ACA function.		
	* ACA, ACV fre	ance for ACV & DCV ran equency response is from ecification be tested on	m 45 to 1 KHz.		
Function	Range	Resolution	Accuracy	Overload Protection	
Ohms	400 ohm	0.1 ohm	•	AC / DC 400V	
	4 K ohm	1 ohm			
	40 K ohm	10 ohm	±(1%+5d)		
	400 K ohm	100 ohm			
	4 M ohm	1 K ohm	±(2%+2d)		
	40 M ohm	10Kohm	± (3.5 % + 5d)		
Capacitance	50 nF	10 pF			
	500 nF	100 pF			
	5 uF	0.001 uF	± (3 % + 5d)	AC / DC 400V	
	50 uF	0.01 uF	* See Remark		
Frequency	5 Hz	0.001 Hz			
(> 5 V) [']	50 Hz	0.01 Hz			
	500 Hz	0.1 Hz			
	5 KHz	1 Hz	± (1 % + 5 d)	AC / DC 1000V	
	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			ohm, the beeper will sound .		
		this breakure are subject to		1002 CM0020A	

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