

# 1000A DCA/ACA CLAMP METER

Model : DM-6046

ISO-9001, CE, IEC1010



Carrying case  
CA-05A  
( optional )



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# ACA/DCA CLAMP METER

Model : DM-6046

## FEATURES

* Measure max. 1000 A DCA or ACA by the inductive conductor, contactless.	* LCD display, easy & clear readout. * High internal impedance, assures min. measuring error.
* Economical cost with professional quality.	* LSI-circuit provides high reliability and durability.
* Design meet IEC 1010 safety requirement.	* Built-in low battery indicator.
* ACA, DCA, ACV, DCV, ohms, Diode.	* Overload protection circuit is provided for all range.
* Built-in Data Hold function.	* Compact & heavy duty ABS housing plastic case.

## GENERAL SPECIFICATIONS

Display	13 mm (0.5") LCD, 3 1/2 digits. Max. indication 1999.	Power Consumption	Approx. DC 10.8 mA.
Measurement Range & Polarity	ACA, DCA, ACV, DCV, ohms, Data hold. Automatic Switching, " - " indicates negative polarity.	Operating Temp.	0 to 50 °C (32 to 122 °F)
Current Sensor	Hall effect sensor.	Operating Humidity	Less than 80% RH.
Zero adjustment	DCA External knob, for DCA zero adjustment. Others Automatic adjustment.	Weight	400 g/0.90 LB (including battery).
Over-input	Display shows '1' or '-1'.	Dimension	230 x 70 x 36 mm(9.1 x 2.8 x 1.4 inch)
Sampling Time	Approx. 0.4 second.	Conductor Jaw Size	78.5 mm ( 3.1 inch ) - outside
Battery	Heavy duty type, DC 9V battery. 006P, MN1604 ( PP3 ) or equivalent.	Accessories	Test lead (red & black)..... 1 Pair Operation manual..... 1 PC.
		Optional Accessories	Carrying case Full range adapters

## ELECTRICAL SPECIFICATIONS ( 23± 5 °C )

Function	Range	Resolution	Accuracy	Overload Circuit Protection	Remark
DC Voltage	200 mV	0.1 mV	± ( 1 % + 1 d )	AC/DC 400 V.	Input impedance 10 Mega ohm
	200 V	0.1 V		AC/DC 600 V.	
	600 V	1 V			
AC Voltage ( 50/60Hz )	200 V	0.1 V	± ( 1 % + 2 d )	AC/DC 600 V.	Input impedance 10 Mega ohm
	600 V	1 V			
Resistance	2000 ohm	1 ohm	± ( 1 % + 1 d )	AC/DC 400 V	
AC/DC Current	200 A	0.1 A	± ( 1.5 % + 15 d )	AC/DC 1000 A	ACA Spec. test on 60 Hz/50 Hz.
	1000 A	1 A			
Diode Check	Short/non conductance, good/defect test. Approx. diode VF ( forward voltage ).				
Data Hold	Available for all functions to keep the data hold on the display .				
Remark	* Input impedance for ACV & DCV range is 10 Mega ohm. * ACA, ACV frequency response is from 40 to 400 Hz. * ACA, ACV specification be tested on sine wave 50/60 Hz.				

## OPTIONAL ACCESSORIES

Carrying case, CA-05A	Pressure adapter, PS-403	Current shunt, ST-50.
Sound adapter, SL-406	Light adapter, LX-02.	Humidity adapter, HA-702.
Anemometer adapter, AM-402	Tachometer adapter, TA-601	Alligator test lead, TL-02AS
EMF adapter, EMF-824	High voltage probe, HV-40	Heavy duty alligators, AL-04

\* Appearance and specifications listed in this brochure are subject to change without notice.

0608-DM6046