

1000A, 200A, ACA, DCA

# MINI DC/AC CLAMP METER

Model : DM-1000

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

*The Art of Measurement*

# Mini 1000 A DCA/ACA CLAMP METER

Model : DM-1000

## FEATURES

* Miniature 1000 A clamp meter, easy to carry out.	* LCD display allows clear readout-out even at high ambient light level.
* Measure DCA or ACA on the inductive conductor.	* LSI circuit provides high reliability and durability.
* High precision for low DCA/ACA current measurement.	* Overload protection circuit is provided for all range.
* Built-in DATA HOLD function.	* Compact, light weight and excellent operation.
* Crystal time base, high quality.	

## GENERAL SPECIFICATIONS (23 ± 5 °C)

Display	13mm (0.5") LCD, 3 1/2 digits. Max. indication 1999.	Battery	006P DC 9V battery(heavy duty type)
Measurement	ACA, DCA, ACV, DCV, ohms, DATA HOLD.	Power	Approx. DC 6mA(voltage & ohm range).
Range &		Consumption	Approx. DC 12mA(current range).
Polarity	Automatic Switching, "-" indicates negative polarity.	Operating Temp.	0 °C to 50 °C (32 °F to 122 °F)
Current Sensor	Hall effect sensor.	Operating Humidity	Less than 80% RH.
Zero adjustment	DCA - External knob adjustment. Other functions - Automatic zero adj.	Weight	316 g/0.7 LB (including battery).
Over-input	Display shows '1' or '-1'.	Dimension	HWD 180 x 47 x 35 mm. 7.1 x 1.9 x 1.4 inch.
Sampling Time	Approx. 0.4 second.	Max. Conductor Size	35 mm dia.
Time base	Quartz crystal, 32768 Hz.	Accessories	Operation manual..... 1 PC.
Fuse Protection	Input circuit build a 500 mA fuse for user safety protection purpose.	Included	Test lead (red & black)..... 1 pair. Carrying case..... 1 PC.

## ELECTRICAL SPECIFICATIONS(23 ± 5 °C)

Function	Range	Resolution	Accuracy	Overload Circuit Protection
DC voltage	200 V	0.1 V	± (0.8 % + 1 d)	AC 500V rms.
AC voltage	500 V	1 V	± (1 % + 2 d)	AC 500V rms. DC ± 500V
Resistance	200 ohm	0.1 ohm	± (1 % + 1 d)	AC/DC 400V
AC current	200 A	0.1 A	≤ 90A - ± (1.2% + 1A) ≥ 800A - ± (2% + 2d) others - ± (1.2 % + 5d)	1200 ACA (within 1 minute)
	1000 A	1 A		
DC current	200 A	0.1 A	≤ 80A - ± (1.2% + 1A) others - ± (1.2 % + 2d)	1200 DCA (within 1 minute)
	1000 A	1 A		
Data hold	Available for all functions to keep the data hold on the display.			
Remark	* Input impedance for ACV & DCV range is 10 M ohm. * ACA, ACV frequency response is from 40 to 400 Hz. * ACA, ACV specification be tested on sine wave 50/60 Hz.			