

CLAMP METER

DCL1000

APPLICATIONS AND FEATURES

This instrument is an AC clamp meter/digital multimeter, designed for measurements in the range specified by IEC61010-2-032 CAT.III 600V.

It is suitable for current and voltage measurements of low-voltage circuitry, electric equipment and power supply facilities.

- AC current measurable max. 1000A & DMM function
- Large LCD
- Data hold
- Range hold
- Relative value
- Auto power save(30min.)(No cancelable)
- Lightweight approx. 290g

SPECIFICATIONS

	Measuring range	Best accuracy	Resolution
ACA	400/1000A	$\pm(1.7\%+5)$	0.1A
DCV	400m/4/40/400/600V	$\pm(1.2\%+3)$	0.1mA
ACV	400m/4/40/400/600V	$\pm(2.2\%+5)$	0.1mV
Resistance	400/4k/40k/400k/4M/40M Ω	$\pm(1.2\%+4)$	0.1 Ω
Continuity	Buzzer sounds at between 0 Ω and 65 Ω . Open voltage: approx. 0.4V		
Diode test	Open voltage: approx. 1.6V		

Operation method	$\Delta-\Sigma$
AC measuring method	Average sensing
Display	4000 count
Sampling rate	Approx. 3 times / sec
Range selection	Auto and Manual
Battery low warning	Battery(⏏) mark lights at approx. 2.4V or below
Operating temperature / humidity	Temperature 5°C~40°C Relative humidity Max. 80%RH at 5°C~31°C Decreases linearly through 80%RH to 50% at 31°C to 40°C, No condensation -20°C~60°C:Max 70%RH or below(with battery removed)
Storage temperature / humidity	
Continuous use time	Approx. 120 hours at DCV
Power consumption	2.2mA at DCV(typical)
Bandwidth	ACA:50/60Hz, ACV:50~500Hz(sine wave)
Clamp diameter	42mm/20x54mm
Battery	R03 x 2
Size / Mass	H238 x W95 x D45mm / 290g
Safety standards	IEC61010-2-032, CAT.III 600V, IEC61010-031
EMC directive	IEC61326-1
Standard accessories included	Test lead(TL-23a), Carrying case(C-DCL1000), Instruction manual



A battery for monitoring has been installed prior to shipment from the factory. It may be discharged before the expiration of the described battery life. This battery is used to check the functions and performance of the product. Specifications and external appearance of the product described above may be revised for modification without prior notice.

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