

sanwa®

TOKYO JAPAN

CLAMP METER

DCM2000DR

APPLICATIONS AND FEATURES

This instrument is an AC/DC clamp meter/digital multimeter of the RMS value response type, designed for measurements in the range specified by IEC61010-1 CAT.IV 1000V.

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

- AC/DC current measurable max. 2000A & DMM function
- True RMS
- Dual display shows voltage/current and its frequency
- EF(Electric Field) sensing
- VFD(Variable Frequency Drive) frequency measurement
- Low input impedance voltage measurement capable of attenuating the effects of ghost voltage
- Data hold / Range hold / Peak hold(5ms)
- Relative value
- Auto power save(34min after the last operation)(cancelable)

SPECIFICATIONS

	Measuring range	Best accuracy	Resolution
ACA	200/2000A	$\pm(2.0\%+5)$	0.1A
DCA	200/2000A	$\pm(2.0\%+5)$	0.1A
ACV	6/60/600/1000V	$\pm(1.2\%+5)$	0.001V
DCV	6/60/600/1000V	$\pm(0.5\%+5)$	0.001V
Resistance	600/6k/60k/600k/6M/40M Ω	$\pm(0.5\%+5)$	0.1 Ω
Frequency	10~1999Hz	$\pm(0.1\%+4)$	0.01Hz
Capacitance	60n/600n/6 μ /60 μ /600 μ /2000 μ F		
Continuity	Buzzer beeps at below the threshold (10 to 200 Ω). Open voltage: approx. 0.5V		
Diode test	Open voltage: approx. 1.8V		

Operation method	Δ - Σ
AC measuring method	True RMS
Display	6000 count
Sampling rate	Approx. 5 times / sec
Range selection	Auto, Manual
Battery low warning	Battery() mark lights at approx. 2.3V 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
Storage temperature / humidity	-10°C~40°C:Max 80%RH, No condensation 40°C~50°C:Max 70%RH, No condensation
Continuous use time	Approx. 80 hours(when measuring current) Approx. 240 hours(functions other than current) *When the backlight is off
Power consumption	Approx. 14mA TYP(when measuring current) Approx. 5mA TYP(functions other than current)
Bandwidth	50~400Hz
Clamp diameter	55mm/20x66mm
Battery	R6 x 2
Size / Mass	H264 x W97 x D43mm / 640g
Safety standards	IEC61010-1, IEC61010-2-030 CAT.IV 1000V, IEC61010-2-32, IEC61010-31
EMC directive	IEC61326-1
Standard accessories included	Test lead(TL-29), Carrying case(C-DCM2000DR), 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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