

# sanwa®

## TOKYO JAPAN

### CLAMP METER

# DCL1200R

### APPLICATIONS AND FEATURES

This instrument is an AC clamp meter/digital multimeter of the RMS value response type, 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. 1200A & DMM function
- True RMS
- EF(Electric Field) sensing
- Large LCD with Back light
- Data hold
- Range hold
- Auto power save(3~7min.)(No cancelable)
- Lightweight approx. 290g

### SPECIFICATIONS

	Measuring range	Best accuracy	Resolution
ACA	400/1200A	±(1.7%+5)	0.1A
DCV	6/60/600V	±(0.7%+3)	1mA
ACV	6/60/600V	±(1.7%+5)	1mV
Auto resistance	6k/60k/600k/6MΩ	±(1.2%+4)	1Ω
Resistance	600Ω	±(2.2%+8)	0.1Ω
Frequency	9.999/99.99/999.9/9.999k/30kHz	±(0.6%+4)	0.001Hz
Capacitance	100n/1000n/10μ/100μ/2000μF	±(3.7%+5)	0.1nF
Continuity	Buzzer sounds at between 0Ω and 155Ω. Open voltage: approx. 0.4V		
Diode test	Open voltage: approx. 1.6V		
Voltage detection	Buzzer sounds and EF mark displays on LCD. Detection range 15V and over, 50/60Hz		

Operation method	Δ-Σ
AC measuring method	True RMS
Display	6000 count
Sampling rate	Approx. 5 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	-20°C~60°C:Max 70%RH or below(with battery removed)
Continuous use time	Approx. 90 hours at DCV(Disable Auto power off)
Power consumption	2.8mA at DCV(typical)
Bandwidth	ACA:50/60Hz, ACV:50~500Hz
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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