

# sanwa®

## TOKYO JAPAN

DIGITAL MULTIMETER

# CD800a

## APPLICATIONS AND FEATURES

This instrument is portable multimeter designed for the measurement of low-voltage circuit. This is used at small communications equipments, home electric appliances, voltage of lump line, and measurement of various types of batteries.

- 4000 count
- Sharp contrast LCD with character 17.5mm high is used
- Solid & protective body cover that can also be used as a tilt stand
- Frequency, capacitance, and duty cycle measurement function

## SPECIFICATIONS

	Measuring range	Best accuracy	Resolution	Resolution
DCV	400m/4/40/400/600V	$\pm(0.7\%+3)$	0.1mV	DCV: 10M~100M $\Omega$
ACV	4/40/400/600V	$\pm(1.6\%+9)$	0.001V	ACV: 10M~11M $\Omega$
DCA	40m/400mA	$\pm(2.2\%+5)$	0.01mA	
ACA	40m/400mA	$\pm(2.8\%+5)$	0.01mA	
Resistance	400/4k/40k/400k/4M/40M $\Omega$	$\pm(1.5\%+5)$	0.1 $\Omega$	
Capacitance	50n/500n/5 $\mu$ /50 $\mu$ /100 $\mu$ F	$\pm(5.0\%+10)$	0.01nF	
Frequency	5Hz~100kHz	$\pm(0.5\%+3)$		
Duty cycle	20%~80%	$\pm(0.5\%+5)$		
Continuity	Buzzer sounds at between 10 $\Omega$ and 120 $\Omega$ Open voltage: approx. 0.4V			
Diode test	Open voltage: approx. 1.5V			

Measuring method	$\Delta$ - $\Sigma$ method
Display	4000 count
Range selection	Auto and manual ranges
Over display	"O.L." is displayed(except AC/DC 600V ranges)
Polarity	Automatic selection(only "-" is displayed)
Battery low warning	Battery (BAT) mark lights when the internal battery's power is below approx. 2.4V
Sampling rate	2 times / sec
Operating temperature / humidity	5~40°C / 5~31°C, 80%RH(Max)
Storage temperature / humidity	-10°C~50°C, below 70%RH No condensation
Environmental condition	Altitude 2000m or below, pollution degree II
Power consumption	7mW at DCV
Continuous use time	About 150 hours at DCV
Bandwidth	40~400Hz
Fuse / Battery	0.5A/250V 1.5kA $\phi$ 5.2x20mm / R6P x 2
Size / Mass	H176 x W104 x D46mm / 340g
Standard accessories included	Hand strap, 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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