

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 Ω
ACV	4/40/400/600V	$\pm(1.6\%+9)$	0.001V	ACV: 10M~11M Ω
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 Ω	$\pm(1.5\%+5)$	0.1 Ω	
Capacitance	50n/500n/5 μ /50 μ /100 μ 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 Ω and 120 Ω Open voltage: approx. 0.4V			
Diode test	Open voltage: approx. 1.5V			

Measuring method	Δ - Σ 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(\square) 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 ϕ 5.2x20mm / R6P x 2
Size / Mass	H176 x W104 x D46mm / 340g
Standard accessories included	Hand strap, Instruction manual

