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**High Quality
Durable
Reliable**

DIGITAL MULTIMETER

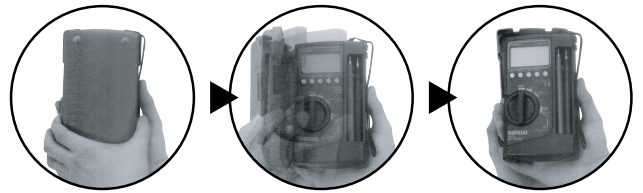
CD800a

Sharp contrast LCD with character 17.5mm high

Frequency, capacitance and duty cycle measurement function.

Attachment body cover for protection of the meter and as a tilt stand.

DIGITAL MULTIMETER CD800a



Measurement Range and Accuracy

Accuracy assurance range : 23±5°C 75%RH MAX. No condensation.

Function	Range	Accuracy	Input Impedance	Remarks
DCV	400.0mV	±(0.7%rdg+3dgt)	≥100MΩ	
	4.000V	±(1.1%rdg+3dgt)	Approx.11MΩ	
	40.00V		Approx.10MΩ	
	400.0V			
	600V			
ACV	4.000V	±(1.6%rdg+9dgt)	Approx.11MΩ	*Accuracy in the case of sin wave 40~400Hz
	40.00V	±(1.6%rdg+5dgt)	Approx.10MΩ	
	400.0V			
	600V			
Ω	400.0Ω	±(1.5%rdg+5dgt)		*Open voltage : Approx.DC 0.4V *The measuring current changes according to the resistance of the resistor to measure.
	4.000kΩ	±(1.2%rdg+5dgt)		
	40.00kΩ			
	400.0kΩ			
	4.000MΩ			
40.00MΩ	±(4.0%rdg+3dgt)			
CAP.	50.00nF	±(5.0%rdg+10dgt)		*Auto range only Accuracy was measured after canceling display value by relative key.
	500.0nF			
	5.000μF			
	50.00μF			
Hz	5.000Hz	±(0.5%rdg+3dgt)		*Auto range only 1Hz~50Hz 3Vpp or higher. 50Hz~100Hz 4Vpp or higher.
	50.00Hz			
	500.0Hz			
	5.000kHz			
	50.00kHz			
100.0kHz				
DUTY	10~90%	±(0.5%rdg+3dgt)		*Auto range only 1Hz~1kHz 3Vpp or higher.
DCmA	40.00mA	±(2.2%rdg+5dgt)	Approx.1Ω	
	400.0mA			
ACmA	40.00mA	±(2.8%rdg+5dgt)	Approx.1Ω	*Accuracy in the case of sin wave 40~400Hz
	400.0mA			
BUZZER				•Buzzer sounds at less than 10~70Ω •Open voltage : Approx. DC 0.4V
DIODE				Open voltage : Approx. DC 1.5V

General Specifications

Measuring	ΔΣmethod
Display	3 3/4 digit, 4000 counts
Sampling Rate	Approx.2 times/sec
Range Selection	Auto and Manual ranges (Manual range or Auto range only)
Over ranging Indication	"O.L." mark indication (except AC/DC600V ranges)
Polarity Indication	Automatic selection("—" is indicated when negative voltage is inputted.)
Low Battery Indication	Below approx. 2.4V " [] " mark indication
Environmental Condition	Operating altitude <2000m / Pollution degree II
Operating temperature	5°C~40°C humidity range: Maximum 80% RH for temperatures up to 31°C decreasing linearly to 50% RH at 40°C
Storage temperature / humidity range	-10°C~50°C 70%R.H. max. No condensation. (remove batteries)
Power Supply	R06 (IEC) dry battery, 2 pieces
AC sensing	Average sensing
Auto Power save timing	30 min. (auto power save)
Safety	IEC61010-1≤DC·AC 600V:Designed to protection ClassIII requirement of IEC 61010-1, Pollution degreeII.
E.M.C.	[EN61326] 1997+A.1:1998Annex C:EN61000-4-2/-3 [EN61326] EN55022
Dimension	L176mm×W104mm×H46mm
Weight	Approx. 340g
Power consumption	Approx. 7mW TYP. (at DCV)
Battery life	Approx. 400 hours at DCV
Accessories	Instruction manual

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Specifications and external appearance of the product described above may be revised for modification without prior notice.

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