

sanwa®

TOKYO JAPAN

DIGITAL MULTIMETER

CD800b

APPLICATIONS AND FEATURES

This instrument is a digital multimeter with rms value response, designed for measurements within the range specified as CAT.IV 300 V/CAT.III 600 V in IEC61010.

- 6000 counts
- AC True RMS
- Data hold / Range hold
- Relative value measurement
- MAX/MIN value recording mode
- LCD with backlight
- Auto power save (15min.) (cancelable)
- Attachment body cover for protection

SPECIFICATIONS

	Measuring range	Best accuracy	Resolution	Input impedance
DCV	600m/6/60/600V	$\pm(0.8\%+3)$	0.1mV	10M Ω
ACV	6/60/600V	$\pm(1.2\%+5)$	0.001V	
DCA	60m/600mA	$\pm(1.2\%+5)$	0.01mA	1 Ω
ACA	60m/600mA	$\pm(1.6\%+5)$	0.01mA	
Resistance	600/6k/60k/600k/6M/60M Ω	$\pm(1.2\%+5)$	0.1 Ω	
Capacitance	60n/600n/6 μ /60 μ /600 μ F	$\pm(3.0\%+10)$	0.01nF	
Frequency	99.99/999.9/9.999k/99.99kHz	$\pm(0.5\%+3)$	0.01Hz	
Continuity	Buzzer sounds between 10~50 Ω Open voltage : approx. 1.0V			
Diode test	Open voltage : approx. DC3.2V "OL" displayed at 3.000 V or more			

Operation method	$\Delta - \Sigma$ method
AC measuring method	True RMS method (AC coupling)
Display	Max. 6000 counts
Sampling rate	Max. approx. 5 times/sec.
Overload	OL mark indication on digital display
Range selection	Auto and Manual
Polarity switching	Auto ("—" indicated when negative voltage is input)
Operating temperature/ humidity	-10 °C to 40 °C. Humidity range is as follows (without condensation): Max. 80 %RH at 5 °C to 31 °C, decreasing linearly to 50 %RH at 40 °C.
Storage temperature/ humidity	-20 °C to 40 °C: \leq 80 %RH (without condensation). 40 °C to 50 °C: \leq 70 %RH (without condensation). (Batteries should be removed when the instrument is not to be used for a long period.)
Battery	LR03 ("AAA"-size alkaline battery) 1.5 V x 2
Fuse	600 mA/600 V, ϕ 6.3 x 32 mm Breaking capacity 10 kA (ceramic tube fuse)(part number : F0325)
Auto Power Save	Power Save in about 15 minutes after last operation. Typ. 20 μ A
Size / Mass	166 (H) x 100 (W) x 43 (D) mm, about 360 grams (incl. batteries)
Safety standards	IEC61010-1, IEC61010-2-030, IEC61010-2-33, IEC61010-31 CAT.IV 300 V/CAT.III 600 V



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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