

DIGITAL MULTIMETER CD800/CD801



CD801

Introduction

This is a case-integrated DMM provided with both a digital bar graph of 3,200 counts and an analog bar graph display.

In the digital display mode, small numerical values up to 3,200 counts can be read, while in the analog display mode, it is suitable for reading rough values.

The case is of an integrated-type, and a 3-way type of "use", "carry", and "store" high functions (performance).

The tester is provided with devices for the use suitable in any time and place, is shock-proof, and has full durability, additionally meeting International Standard for Safety IEC1010.

The tester features a cover made of a flammability, test leads, and consideration is made for structure design of test leads, putting emphasis on safety in high voltage measurement.

Features

1. Wide dynamic range of 3200 count display and an analog bar graph.
2. With a magazine for storing the test leads.
3. Hard-burn material is used on the rear case.
4. A space is provided for setting a flat chip resistor, that makes easier to measure the flat chip resistor, of which respective sizes are 1.6mm (L) * 0.8mm(W), 2mm (L) * 1, 25mm(W) and 3.1mm(L) x 1.55mm(W).
5. With a handy hand strap.
6. In conformity with IEC1010.
7. Data hold function to hold measured value.
8. 10A range (CD801 only).

General Specifications

Operating principle	Dual slope integration
Display	3200 counts in LCD
Bar Graph	32 segments max.
Range switch	Auto range
Over display	"OL" mark indication
Polarity switch-1	Auto
Low battery indication	"BT" symbol
Sampling	Approx.2 times/sec
Bar Graph 2	Approx.12 times/sec
Accuracy guaranteed temperature& humidity ranges	18~25°C, 80%R.H. Max. No condensation
Operating temperature& humidity range	0~40°C, 80%R.H. Max. No condensation
Storage temperature humidity range	-10~50°C, 70%R.H. Max. No condensation
Power supply	R6 x 2
Consuming power	Approx.1.8mW Typ
Operating time	750 hours
Dimension	176 * 104 * 46mm (CD800) 176 * 104 * 51mm (CD801)
Weight	Approx. 340g (CD800) Approx. 430g (CD801)
Instruction manual	English
Test lead	TL-61T (CD800) TL-63 (CD801)
Safety approval	In conformity with IEC1010

Measurement Range & Accuracy

Function	Range	Accuracy	Resolution	Input resistance	Remarks
DCV	320mV	$\pm(0.8\%rdg+2dgt)$	100 μ V	100M Ω	-
	3.2V				
	32V				
	320V				
	600V				
ACV	3.2V	$\pm(1.8\%rdg+4dgt)$	1mV	11M Ω	Accuracy in the case of sine wave AC : 45...400Hz
	32V				
	320V				
	600V				
DCmA	32mA	$\pm(1.3\%rdg+2dgt)$	10 μ A	5 Ω	-
	320mA				
	10A				
ACmA	32mA	$\pm(2.0\%rdg+5dgt)$	10 μ A	5 Ω	Accuracy in the case of sine wave AC : 45 to 400Hz
	320mA				
	10A				
	320W				

RESISTANCE	3.2kW	$\pm(1.2\%rdg+2dgt)$	100mΩ	Open circuit voltage : Approx. 1.3V The measuring current changes according to the resistance of the resistor to measure.
	32kW			
	320kW			
	3.2MW			
	32MW			
CONTINUITY	Buzzer sounds at approx. 20Ω max.			
DIODE TEST	Open circuit voltage : Approx. 3V			

