

# POCKET TYPE DIGITAL MULTIMETER



**Model MCD-007**

### FEATURES

- Easy operation with rotary switch.
- AC/DC voltage, resistance, continuity check and diode test with full auto ranging operation.
- 3200 count full scale with bargraph display.
- Low power consumption with auto power off function.

### SPECIFICATIONS

Display	: 3½ digit LCD, max. reading of 3200
Polarity	: Automatic, (–) negative polarity indication.
Over range indication	: "OL" mark on LCD readout
Low battery indication	: " " mark is displayed when the battery voltage drops below operating voltage
Sampling	: 2 times/sec.
Auto power off	: The meter is set to power off mode approx. 10minutes after the power switch on.
Operating temperature	: 0°C to 40°C, <70% RH (Non-condensing)
Storage temperature	: 20°C to 60°C, <80%RH (Non-condensing)
Power supply	: LR-44 (1.55V) × 2
Power consumption	: 5.0mW
Size	: MCD-007 110(H) × 60(W) × 9.5(D)mm
Weight	: Approx. 86g (MCD-007) (Including batteries and case)
Accessories	: Hard cover case ..... 1 Instruction manual ..... 1 Batteries ..... 2

#### Measuring ranges

##### DC Voltage

Range	Resolution	Accuracy	Input resistance	Max. input
320mV	100µV	±1.3% rdg ±3dgt	>1000MΩ	500V DC or AC rms
3.2V	1mV	±0.7% rdg ±3dgt	Approx. 11MΩ	
32V	10mV	±1.3% rdg ±3dgt	Approx. 10MΩ	
320V	100mV			
500V	1V			

##### AC Voltage (50/60Hz)

Range	Resolution	Accuracy	Input resistance	Max. input
3.2V	1mV	±2.3% rdg ±6dgt	Approx. 11MΩ	500V DC or AC rms
32V	10mV		Approx. 10MΩ	
320V	100mV			
500V	1V			

##### Resistance

Range	Resolution	Accuracy	Test current	Input protection
320Ω	100mΩ	±2.0% rdg ±5dgt	< 0.7mA	500V DC or AC rms
3.2KΩ	1Ω	±2.0% rdg ±3dgt	< 0.13mA	
32KΩ	10Ω		< 13µA	
320KΩ	100Ω		< 1.3µA	
3.2MΩ	1KΩ	±6.0% rdg ±4dgt	< 0.13µA	
32MΩ	10KΩ	±10% rdg ±10dgt		

##### Diode Test

Range	Resolution	Accuracy	Test current	Input protection
3.2V	1mV	±10% rdg ±3dgt	Approx. 0.7mA (Vf=0.6V)	500V DC or AC rms

##### Continuity Check

Range	Resolution	Accuracy	Test current	Input protection
320Ω	100mΩ	< Approx.20Ω	< 0.7mA	500V DC or AC rms



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