

Pocket Type Digital Multimeter

Model MCD-107 (CE)

FEATURES

- Ultra compact size and light weight
- Easy operation with rotary switch
- 4000count full scale with auto-ranging
- Data Hold and Auto Power Off Function

FUNCTION

AC/DC Voltage Continuity
Resistance Diode test
Capacitance Duty
Frequency



SPECIFICATIONS

Display	: LCD, max.reading of 4000
Range	: Auto-ranging
Polarity	: Automatic (-)negative indication
Over range indication	: " OL "mark on LCD
Low battery indication	: " B " mark on LCD
Data hold indication	: " DH "mark on LCD
Relative indication	: " Δ "mark on LCD
Sampling	: 3 times/sec.
Operating temperature	: 0~40°C, < 80%RH(Without condensation)
Storage temperature	: -10~50°C, < 70%RH(Without condensation)
Power supply	: Lithium battery CR2032×1
Power consumption	: Approx.6mW (at DCV)
Auto power off	: Approx.30 minute later after last key operation
Size & weight	: 99(H)×59(W)×8.6(D)mm
Accessories	: Book type cover case.....1 Instruction Manual.....1 Battery.....1

MEASURING RANGES & ACCURACY

Accuracy:(23±5°C, <80%RH)

Function	Range	Accuracy	Input Resistance	Remark
DC Voltage	400.0mV	$\pm(0.7\%rdg+3dgt)$	More than 100M Ω	Maximum Input 500VDC or 500VAC rms
	4.000V	$\pm(1.3\%rdg+3dgt)$	Approx.11M Ω	
	40.00V		Approx.10M Ω	
	400.0V			
500V				
AC Voltage	4.000V	$\pm(2.3\%rdg+10dgt)$	Approx.11M Ω	
	40.00V		Approx.10M Ω	
	400.0V			
	500V	$\pm(2.3\%rdg+5dgt)$		
Resistance	400.0 Ω	$\pm(2.0\%rdg+5dgt)$	Open circuit voltage Approx.0.4V	
	4.000K Ω			
	40.00K Ω			
	400.0K Ω	$\pm(5.0\%rdg+5dgt)$		
	4.000M Ω			
40.00M Ω	$\pm(10\%rdg+5dgt)$			
Capacitance	40.00nF	$\pm(5.0\%rdg+10dgt)$	Accuracy is specified after offset	
	400.0nF			
	4.000 μ F			
	40.00 μ F	$\pm(10\%rdg+15dgt)$		
	100.0 μ F			
Frequency	5.000Hz	$\pm(0.7\%rdg+5dgt)$	Sensitivity (AC sine wave) 5.000Hz~5.000kHz:10Vrms or more 50.00kHz :40Vrms or more	
	50.00Hz			
	500.0Hz			
	5.000KHz			
	50.00KHz			
Duty	0.1~99%	None	(Input Sensitivity is specified by square wave with duty 50% input) 2.5V (0 to peak input) \geq 1kHz 6V (0 to peak input) \geq 10kHz 40V (0 to peak input) \geq 70kHz	
Continuity Check		Beeper: 10~60 Ω , Open circuit voltage: approx. 0.4V		
Diode Test		Open circuit voltage: approx.1.5V		