

# DIGITAL MULTIMETER PM-7



## Introduction

This is a pocket type DMM with test leads accommodated all-in-one case and intended to design a thin, compact, small-sized and lightweight tester.

Adoption of low power consumption type one chip LSI and all-in-one case enables the tester to be accommodated in a chest pocket without difficulties, and to be carried in any place.

An in-circuit continuity buzzer with a measuring terminal voltage of 0.4V is provided, and a resistance switch range covers a lower power ohm.

In addition, power saving design is prepared for coping with forgetting about turning off a power switch.

## Features

1. The DMMs are so small that they can be put into even dress shirt pocket.
2. Automatic range shifting function. No replacement of battery is required.
3. Optimum measuring range is automatically selected to set.
4. Test leads can be stored in the hard case.
5. Since overload protection circuit is built in, the continuity, ohm and diode test ranges are protected even if the voltage up to 250V AC/DC is impressed.

## General Specifications

1. Operating principle\_\_ Dual slope integration
2. Display\_\_ 3 1/2 digit in LCD
3. Bar Graph\_\_ Null
4. Range switch\_\_ Auto range
5. Over display\_\_ MSB "1" blinks
6. Polarity switch-1\_\_ Auto
7. Low battery indication\_\_ "B" symbol
8. Sampling\_\_ Approx.2 times/sec
9. Bar Graph 2\_\_ Null
10. Accuracy guaranteed temperature& humidity ranges\_\_ 18'c- 28'c, 80%R.H. Max.
11. No condensation
12. Operating temperature& humidity range\_\_ 5'c- 40'c, 80%R.H. Max.
13. No condensation
14. Storage temperature humidity range\_\_ -10'c-50'c, 70%R.H. Max.

- 14. Power supply \_\_LR-44 x 2
- 15. Consuming power \_\_Approx.3mW
- 16. Operating time \_\_260 hours
- 17. Dimension \_\_115 x 57 x 18mm
- 18. Weight \_\_Approx.85g
- 19. Instruction manual \_\_English

### Measurement Range & Accuracy

Range	Accuracy	Resolution	Input Resistance	Maximum Input Voltage
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#### DCV

200mV	$\pm(2.0\%rdg+4dgt)$	10 V	100M	AC/DC 600V
2V	$\pm(0.7\%rdg+4dgt)$	1mV	11M	
20V	$\pm(1.3\%rdg+4dgt)$	10mV	10M	
200V		100mV		
500V		1V		

#### ACV ( Frequency : 40Hz-500Hz )

2V	$\pm(2.3\%rdg+8dgt)$	1mV	100M	AC/DC 600V
20V		10mV	10M	
200V		100mV		
500V		1V		

Range	Accuracy	Resolution	Open Circuit Voltage	Maximum Input Voltage ( Max. 1 minute )
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#### RESISTANCE

200 ohm	$\pm(2.0\%rdg+4dgt)$	100m ohm	0.43V	AC/DC 250V
2k ohm		1 ohm		
20k ohm		10 ohm		
200k ohm		100 ohm		
2000k ohm	1k			
20M	$\pm(10\%rdg+4dgt)$	10k		

#### CONTINUITY

380.0 ohm				AC/DC 250V
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#### DIODE TEST

			1.3V	AC/DC 250V
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