

DIGITAL MULTIMETER PS-8



Introduction

This is an all-in-one case pocket type DMM which incorporates solar cell batteries and is of a test leads accommodating type first in the industry.

Adoption of a low power consumption type LSI and all-in-one case allows it to be put in a chest pocket with ease, 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. This DMM is so small that they can be put into even dress shirt pocket.
2. Chargeable solar battery.
3. Automatic range shifting function. No replacement of battery is required.
4. Optimum measuring range is automatically selected to set.
5. Test leads can be stored in the hard case.
6. 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.
No condensation
11. Operating temperature& humidity range__ 0'c- 40'c, 80%R.H. Max.
No condensation
12. Storage temperature humidity range__ -10'c-50'c, 70%R.H. Max.

- No condensation
13. Power supply __Solar charge
 14. Consuming power__Approx.3mW
 15. Operating time__40 hours
 16. Dimension__115 x 57 x 18mm
 17. Weight__Approx.85g
 18. 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			0.43V	AC/DC 250V
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DIODE TEST

			1.3V	AC/DC 250V
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