

DIGITAL MULTIMETER PM10



Introduction

This is a pocket-sized type digital multimeter which is so compact as to fit in the palm of a hand serving as both digital display of 3,200 counts and an analog display by a circular-shaped bar graph. Test pins are gold-plated.

In the digital display mode, up to small numerical values can be read, while in an analog display mode in which a bar graph is used, it's suitable for rough grasp such as continuity confirmation. Additionally, easiness to use is considered suitable for a compact multimeter, such as adoption of a test-leads fixing function which enables making measurement with one hand and a mechanism to reversibly fold an open/close type cover to a back side.

Features

1. 3200 counts wide display with arc bar graph
2. Body is made of nonflammable material
3. Full auto ranging
4. Test lead can be fixed on the body
5. Designed for protection Class II requirement of IEC 1010-1 for use in over voltage Category III locations.
6. Continuity beeper and diode testing function

General Specifications

Operating principle	Dual slope integration
Display	3200 counts in LCD
Bar Graph	32 segments max.
Range switch	Auto range
Over display	"OFF" or "ON" mark indication
Polarity switch-1	Auto
Low battery indication	"BT" symbol
Sampling	Approx.2 times/sec
Bar Graph 2	Approx.2 times/sec
Accuracy guaranteed temperature & humidity ranges	18~20°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	LR-44 x 2
Consuming power	Approx.4mW Typ
Operating time	200 hours
Dimension	117 x 76 x 18mm
Weight	Approx.110g
Instruction manual	English

Measurement Range & Accuracy

Range	Accuracy	Resolution	Input Resistance	Maximum Input Voltage (Max. 1 minute)
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DCV

320mV	±(0.8% rdg+4dgt)	100μV	> 100MΩ	DC/AC 500V
3.2V	±(1.3% rdg+4dgt)	1mV	11MΩ	
32V	±(1.3% rdg+4dgt)	10mV	10MΩ	
320V	±(1.3% rdg+4dgt)	100mV	10MΩ	
500V	±(1.3% rdg+4dgt)	100mV	10MΩ	

ACV

3.2V	±(2.3% rdg+8dgt)	1mV	11MΩ	DC/AC 500V
32V	±(2.3% rdg+8dgt)	10mV	10MΩ	
320V	±(2.3% rdg+8dgt)	100mV	10MΩ	
500V	±(2.3% rdg+8dgt)	100mV	10MΩ	

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

320Ω	±(2.0% rdg+4dgt)	100mΩ	1.3V	DC/AC 500V
3.2kΩ	±(2.0% rdg+4dgt)	1Ω		
32kΩ	±(2.0% rdg+4dgt)	10Ω		
320kΩ	±(2.0% rdg+4dgt)	100Ω		
3.2MΩ	±(3.5% rdg+4dgt)	1kΩ		

32M Ω	$\pm(10\%rdg+5dgt)$	10k Ω		
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CONTINUITY

The buzzer sounds at approx. 20 Ω max.				
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		1.3V		
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			DC/AC 500V	
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DIODE TEST

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		3V		
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			DC/AC 500V	
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