

DIGITAL MULTIMETER (Auto Scanning Smart DMM)



FEATURES

- 3000-count LCD with a maximum display of 2999.
- An angled-display design helps the user to identify the reading of value easier.
- AC/DC Voltage. Current auto scanning.
- Resistance. Diode. Capacitance auto detection.
- Auto-ranging designed.
- Ranging change function.
- Continuity check.
- Data Hold Function.
- Low battery detection.
- Over range indication.
- Fuse protection.
- Hook design included makes it easy to use no matter for standing or hanging purpose.
- Meets EN/IEC 61010-1 CAT III 600V.

SPECIFICATIONS

DC Voltage

Range	Resolution	Accuracy	Input Protection
300.0 mV	100 μ V	$\pm (0.5\%rdg+3dgt)$	1000V DC
3.000 V	1 mV		
30.00 V	10 mV		
300.0 V	100 mV		
1000 V	1 V		

Input impedance : 10 M Ω

AC Voltage

Range	Resolution	Accuracy	Input Protection
300.0 mV	100 μ V	$\pm (1\%rdg+5dgt)$	1000V AC
3.000 V	1 mV		
30.00 V	10 mV		
300.0 V	100 mV		
1000 V	1 V		

Input impedance : 10 M Ω

DC Current

Range	Resolution	Accuracy	Input Protection
300.0 μ A	0.1 μ A	$\pm (1\%rdg+5dgt)$	500 mA
3000 μ A	1 μ A		
30.00 mA	0.01 mA		
300.0 mA	0.1 mA	$\pm (2\%rdg+3dgt)$	12.5 A
10 A	10 mA		

- Overload Protection 0.5 A/250 V fast blow fuse for 300 mA
- 12.5 A/500 V fast blow fuse for 10 A

AC Current

Range	Resolution	Accuracy	Input Protection
300.0 μ A	0.1 μ A	$\pm (1\%rdg+5dgt)$	500 mA
3000 μ A	1 μ A		
30.00 mA	0.01 mA		
300.0 mA	0.1 mA	$\pm (2\%rdg+3dgt)$	12.5 A
10A	10 mA		

- Overload Protection 0.5 A/250 V fast blow fuse for 300 mA
- 12.5 A/500 V fast blow fuse for 10 A

Resistance

Range	Resolution	Accuracy	Max Test Current	Max Open Circuit Voltage
300.0 Ω	0.1 Ω	$\pm (1.5\%rdg+3dgt)$	0.51 mA	0.39 V
3.000 K Ω	1 Ω			
30.00 K Ω	10 Ω			
300.0 K Ω	100 Ω			
3.000 M Ω	1 K Ω			
30.00 M Ω	10 K Ω	$\pm (2\%rdg+4dgt)$		

Overload Protection 500V DC

Continuity Check

Range	Resolution	Continuity beeper	Test Current
300 Ω	0.1 Ω	< 30 Ω	0.51 mA

Capacitance

Range	Resolution	Accuracy
3000 pF	1 pF	$\pm (3\%rdg+10dgt)$
30 nF	10 nF	
300 nF	100 nF	
3 μ F	1 nF	
30 μ F	10 nF	
300 μ F	100 nF	
3 mF	1 μ F	
30 mF	10 μ F	

Hz Frequency Test

Range	Resolution	Accuracy
3.000 KHz	1 Hz	$\pm (1\%rdg+2dgt)$
30.00 KHz	10 Hz	
100.0 KHz	100 Hz	