

Model DMM 12

# Pocket Multimeter With Non-Contact Voltage Detection



CE

## Pocket Multimeter with Non Contact Voltage Detector

- 600VAC/DC Voltmeter
- Non-contact Voltage Detector with LED and Buzzer
- Resistance measurements to 40M $\Omega$
- Fast Continuity with Buzzer - Diode Test
- Overload Protection on all Ranges
- Data Hold – 4000-count Display
- Auto Power OFF and Low Battery Indication
- Built-in test stand and Lead Storage Compartment
- EN 61010 Safety Rated & CE Mark

## 4000-count Pocket Multimeter with NCV

ELECTRICAL SPECIFICATIONS		Model DMM 12
<b>Non-Contact Voltage</b>		
Range	70 - 600V <sub>AC</sub> (50/60Hz)	
Voltage Indication	DMM will buzz and NCV diode below display will light up when voltage detected.	
Operation	Aim at target and press Ph (Phase) Push-button while DMM Off	
<b>DC Volts (Auto-Ranging)</b>		
Measurement Ranges	Ranges: 4V, 40V, 400V, 600V	
Accuracy* & Resolution	4V: 2.0% ± 2cts – 1mV (0.001V) Resolution 40V: 2.0% ± 2cts – 10mV (0.01V) Resolution 400V: 2.0% ± 2cts – 100mV (0.1V) Resolution 400V: 2.0% ± 2cts – 1V Resolution	
Input Impedance	9.1MΩ (10MΩ on 4V, Range)	
<b>AC Volts (Auto-Ranging)</b>		
Measurement Ranges	Ranges: 4V, 40V, 400V, 600V	
Accuracy* & Resolution	4V: 2.0% ± 2cts – 1mV (0.001V) Resolution 40V: 2.0% ± 2cts – 10mV (0.01V) Resolution 400V: 2.0% ± 2cts – 100mV (0.1V) Resolution 400V: 2.0% ± 2cts – 1V Resolution	
Input Impedance	9.1MΩ (10MΩ on 4V, Range)	
Frequency Response	40 – 400Hz	
<b>Resistance -Ohms (Auto-Ranging)</b>		
Measurement Ranges	6 Ranges: 200Ω, 2000Ω, 20kΩ, 200kΩ, 2MΩ, 20MΩ	
Accuracy* & Resolution	400Ω: 2.0% ± 5cts – 0.1Ω Resolution 4000Ω: 2.0% ± 4cts – 1Ω Resolution 40kΩ: 2.0% ± 4cts – 0.01kΩ Resolution 400kΩ: 2.0% ± 4cts – 0.1kΩ Resolution 4MΩ: 3.0% ± 4cts – 0.001MΩ Resolution 40MΩ: 5.0% ± 5cts – 0.01MΩ Resolution	
Open Circuit Voltage	0.45V typical, 1.2V on 400Ω Range	
<b>Continuity</b>		
Measurement Ranges	0 - 400Ω	
Resolution	1Ω Resolution	
Buzzer	< 25Ω, response 500ms	
<b>Diode Test</b>		
Measurement Range	0 to 4.000V (Open Circuit Voltage 3.0V <sub>DC</sub> approx)	
Accuracy* & Resolution	3.0% ± 3cts - 1Ω Resolution	
Test Current	Approx 1.2mA	
Buzzer	< 0.25V	
<b>Other Functions</b>		
Data HOLD	Yes – All ranges except NCV function. “RANGE HOLD” displayed on LCD	
Over-Range Indication	Yes – “OL” displayed if Over-Range	
Auto-OFF	Yes – After approx. 10 minutes – Buzzer sounds when meter turns off.	
Low Battery	Yes – Battery symbol displayed on LCD when battery low.	
Auto-Ranging	Yes – Automatic Range Selection	

## 4000-count Pocket Multimeter with NCV

GENERAL SPECIFICATIONS	Model DMM 12
Display	4000-count 3¾ Digit LCD – “1.” Displayed for Over-Range
Sample Rate	Approx. 2/s
Polarity	Automatic - Positive implied and “-“ displayed when Negative
Operating Temperature & %RH	32° to 104°F (0° to 40°C), 70% RH max non-condensing
Storage Temperature & %RH	-4° to 140°F (-20° to 60°C), 80% RH max non-condensing, battery removed
Altitude	6561 ft (2000m)
Power Supply	2 x 1.5V Battery – Button type AA (NEDA 1166A, IEC LR-44) Approx 70hrs continuous use with alkaline battery
Fuse	Overload protection on all ranges – Electronic fusing.
Leads	Red and black attached to meter – terminated with test probes. Self-contained in case when not in use.
Dimensions & Weight	4.9 x 2.4 x 0.9” (125 x 60 x 24mm) – 3.9 oz (110g)
Warranty	One Year
<b>Safety</b>	
Safety Standards	EN 61010-1 – 600V Cat. II and 300V Cat. III, CE mark

NOTE: \* Accuracy given @ 23°C ±5°C, 75%RH max



**Multimetrix®**

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### Ordering Information

**4000-count Pocket Multimeter Model DMM 12**  
**Catalog Number: MMX-DMM12**

**Includes:** Multimeter DMM 12 — 1 Lead Set (attached) with Needle Point Test Probe (Red & Black) – 2 x1.5V Batteries – User Manual

*Specifications and Prices are subject to change without notice.  
Consult Factory before ordering.*