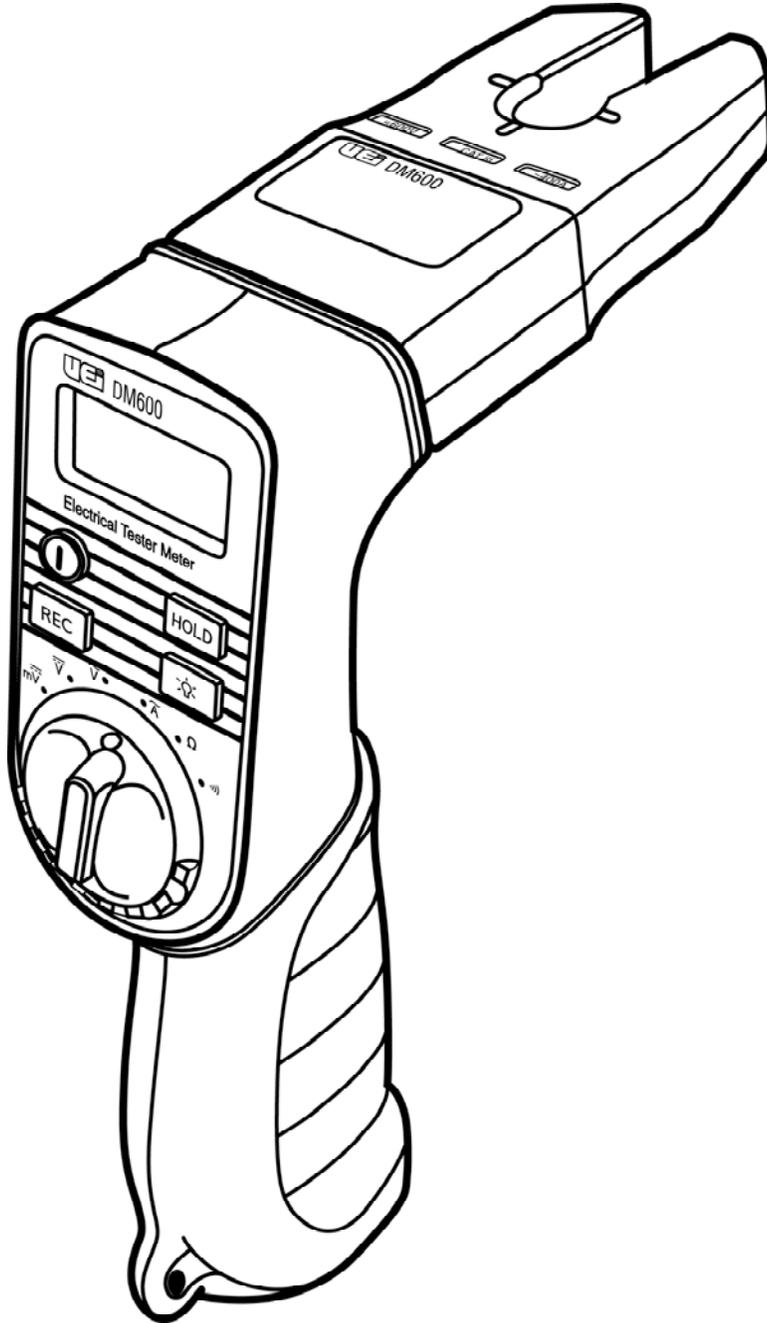




**INSTRUCTION MANUAL**

**DM600**

**Pistol Style Multimeter**



**1-800-547-5740 • Fax: (503) 643-6322**  
**www.ueitest.com • email: info@ueitest.com**

## Introduction

The DM600 is a revolutionary design in multimeters, with one-handed operation and open jaw current measurement capabilities.

### Features include

- Autoranging measurements
- Min/Max record with time stamp
- AC Volts
- DC Volts
- DC mV
- Ohms and continuity
- Auto power off
- Open fork AC amps measurement

## Safety Notes

Before using this meter, read all safety information carefully. In this manual the word "**WARNING**" is used to indicate conditions or actions that may pose physical hazards to the user. The word "**CAUTION**" is used to indicate conditions or actions that may damage this instrument.



### WARNING!

Higher voltages and currents require greater awareness of physical safety hazards. Before connecting the test leads; turn off the power to the circuit under test; set the meter to the desired function and range; connect the test leads to the meter first, then connect to the circuit under test. Reapply power. If an erroneous reading is observed, disconnect power immediately and recheck all settings and connections.

## International Symbols

	Dangerous Voltage		Ground
	AC Alternating Current		Warning or Caution
	DC Direct Current		Double Insulation (Protection Class II)
	Either AC or DC		Fuse
	Not Applicable to Identified Model		Battery

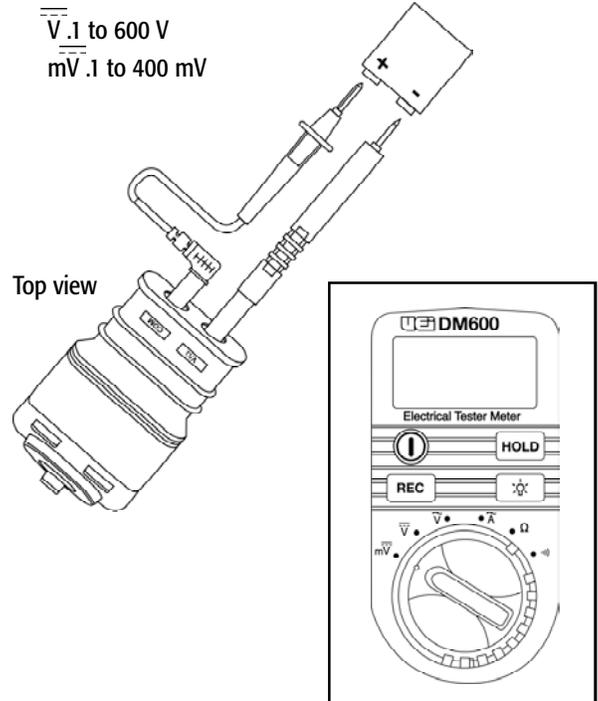
## Instructions

### Measuring Voltage

The DM600 will measure AC or DC volts from .001 to 600 volts. It also has a DC mV range with 0.1 mV resolution. The holster also functions as a stand during use with normal test leads.

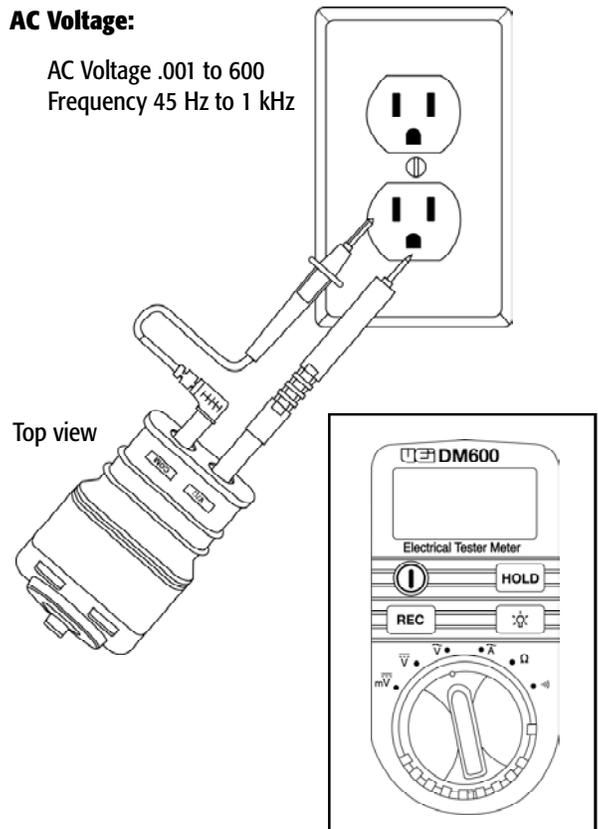
#### • DC Voltage:

$\overline{\overline{V}}$  .1 to 600 V  
 $\overline{\overline{mV}}$  .1 to 400 mV



#### • AC Voltage:

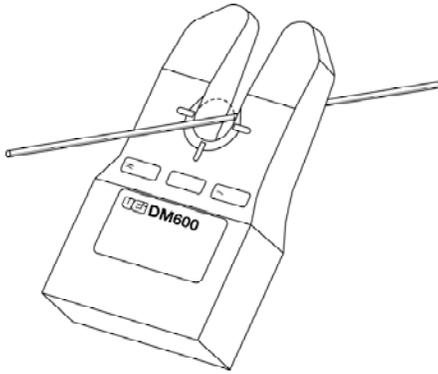
AC Voltage .001 to 600  
 Frequency 45 Hz to 1 kHz



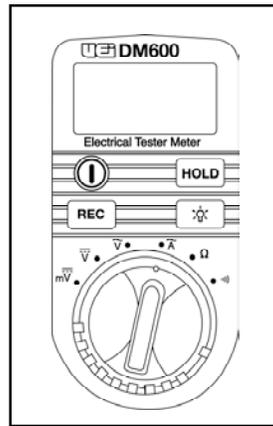
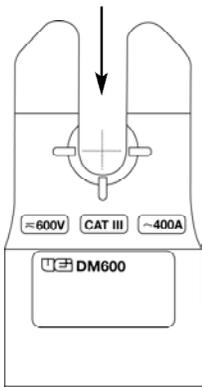
## Measuring AC Amps

.1 to 400 A AC  
45 Hz to 1 kHz

Measure current by placing conductor in the center of alignment marks for best reading.

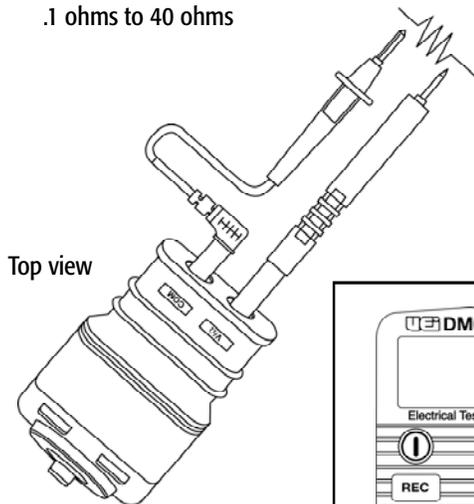


Desired conductor position

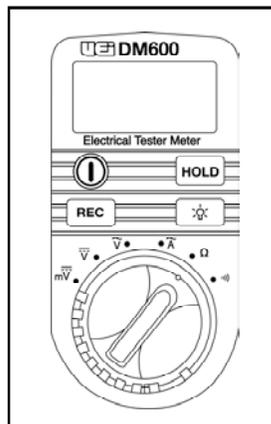


## Measuring Resistance

.1 ohms to 40 ohms



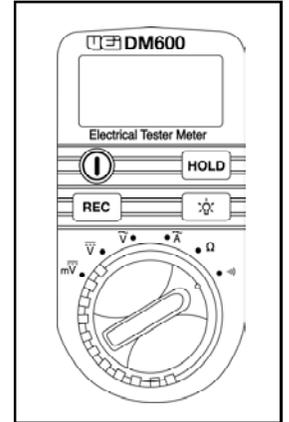
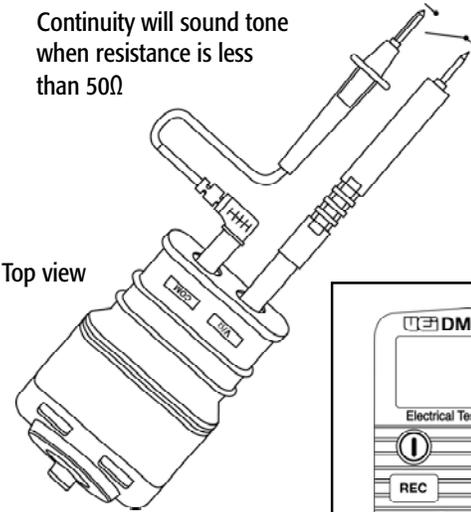
Top view



## Measuring Continuity

Continuity will sound tone when resistance is less than  $50\Omega$

Top view

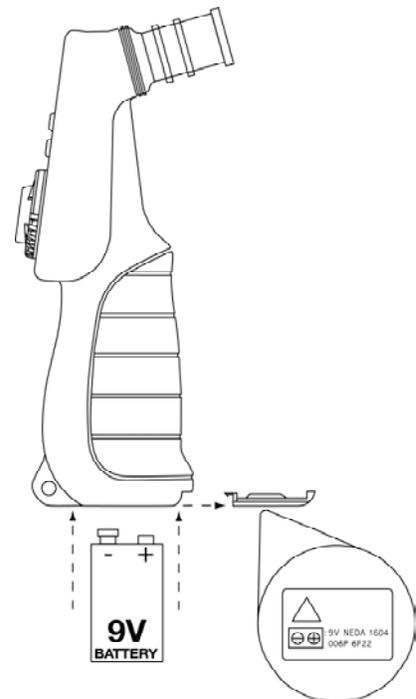


## Maintenance

### Battery Replacement

Polarity is indicated on the battery door. Recommended battery type is NEDA 1604A, 9V Alkaline.

1. Slide cover to remove old battery.
2. Insert new battery and replace slide cover.



## Cleaning

Periodically clean your meter's case using a damp cloth. **DO NOT** use abrasives, cleaning solvents or strong detergents.

This meter has no fuses or other internal user replaceable parts.

## Specifications

### Counts

400
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### AC V

Accuracy	±1.5% ±5 digits
Range	4, 40, 400, 600
Best resolution	.001 V

### AC AMPS (w/accessory)

Accuracy	±2.5% ±5 digits
	±3% ±10 digits
Range	40, 400
Best resolution	0.1A

### DC V

Accuracy	±0.9% ±2 digits
Range	4, 40, 400, 600
Best resolution	.001 V

### DC mV

Accuracy	±0.9% ±2 digits
Range	400 mV
Best resolution	.1 mV

### Resistance

Accuracy	±0.9% ±5 digits
	±1.2% ±5 digits
	±1.7% ±5 digits
Range	400, 4k, 40k, 400k, 4M, 40M
Best resolution	.1 ohm

Response time	<5 seconds
Continuity	Yes
Auto range	Yes
Hold	Yes
MIN/MAX	Yes
Auto power off	Yes
UL CAT III 600V	Yes
Back light	Yes
Rugged	10' drop
Pollution degree	2
Altitude	= or <6560' (2000m)
Relative humidity	0 to 80% at 32° to 95°F (0° to 35°C)
	0 to 70% at 95° to 130°F (35° to 54°C)
Operating temperature	32 to 115°F (0 to 45°C)
Storage temperature	0 to 158°F (-20 to 70°C)
Battery life	>100 hrs.
Battery type	9V
*Adjacent conductor influence: <0.08 A/A	



# DM600

## Pistol Style Multimeter

### Limited Warranty

The DM600 is warranted to be free from defects in materials and workmanship for a period of three years from the date of purchase. If within the warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at UEi's option. This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. Batteries and consequential damage resulting from failed batteries are not covered by warranty.

Any implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the express warranty. UEi shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expenses or economic loss. A purchase receipt or other proof of original purchase date will be required before warranty repairs will be rendered. Instruments out of warranty will be repaired (when repairable) for a service charge. Return the unit postage paid and insured to:

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**www.ueitest.com • Email: info@ueitest.com**

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

