

**Digital Multimeters**



**Includes:**

- Test leads with CAT III/CAT IV safety caps
- Thermocouple with adapter (temperature-measuring models only)
- Batteries



- CAT III 600V safety rating
- Built to withstand a 3.3 ft. (1 m) drop
- For use in basic and controlled electromagnetic environments like residential, business and light-industrial locations
- Low battery indicator and easily accessible battery compartment

- The **MM300** is a manual-ranging digital multimeter that measures AC/DC voltage, DC current, and resistance. It also tests diodes and continuity, and has a battery test mode
- The **MM400** is an auto-ranging digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, and tests diodes and continuity



Features	MM300 Manual Ranging	MM400 Auto Ranging
Drop Protection	3.3 ft. (1 m)	3.3 ft. (1 m)
Ingress Protection	—	—
Safety	CAT III 600V	CAT III 600V
AC Voltage (Volts)	600V	600V
DC Voltage (Volts)	600V	600V
AC Current (Amps)	—	10A
DC Current (Amps)	10A	10A
Ohms (Resistance)	20MΩ	40MΩ
DC Millivolts	•	•
AC Milliamps	—	•
DC Milliamps	•	•
AC Microamps	—	•
DC Microamps	•	•
True RMS	—	—
Audible Continuity	•	•
Backlight	—	•
Temperature	—	0° – 1000°F (-18° – 538°C)
Low Impedance	—	—
Auto Ranging	—	•
Range Hold	—	•
Data Hold	•	•
Diode Test	•	•
Capacitance Test	—	200 μF
Frequency / Duty Cycle	—	1Hz – 50 KHz
Max / Min	—	•
Lead Warning	—	—
Bar Graph	—	—
Magnetic Mount	Available As Accessory	Available As Accessory
Auto-Power Off	—	•
Battery Test	•	—
LCD Display Count	2000	4000





## Multimeters

### Multimeter Specifications

Cat. No.	Batteries	Standard	Included	Overall Length	Overall Height	Overall Width	Weight
MM300	2 x AAA	CAT III 600V	Test Leads and Batteries	6" (152.4 mm)	1-25/32" (45.2 mm)	3-1/6" (77.8 mm)	0.51 lb (0.23 kg)
MM400	2 x AAA	CAT III 600V	Test Leads, Batteries and Thermocouple	6" (152.4 mm)	1-25/32" (45.2 mm)	3-1/6" (77.8 mm)	0.51 lb (0.23 kg)
MM600	2 x AAA	CAT IV 600V	Carrying Case, Test Leads, Thermocouple, and Batteries	7" (177.8 mm)	2-3/32" (53.2 mm)	3-35/64" (90.1 mm)	0.90 lb (0.41 kg)
MM700	2 x AAA	CAT IV 600V	Carrying Case, Test Leads, Thermocouple, Batteries, and Alligator Clips	7" (177.8 mm)	2-3/32" (53.2 mm)	3-35/64" (90.1 mm)	0.90 lb (0.41 kg)

### Multimeter Replacement Fuses



69033



69192

Cat. No.	For Use With	Fuse Type
69191	MM1000, MM1300, MM2000, MM2300, MM6000	F 11A/1000V
69192	MM1000, MM1300, MM2000, MM2300, MM6000	F 440mA/1000V
69193	MM100 Fuse Kit	F10A/500V, F250mA/250V
69194	MM200 Fuse Kit	F10A/500V, F400mA/250V
69031	MM300	5x20 200MA 600V
69032	MM300, MM400	6x32 10A 600V
69033	MM400	5x20 500MA 600V
69034	MM600, MM700	10x38 10A 1000V
69035	MM600, MM700	6x32 500MA 1000V

### Electrical Test Kit

- The MM300 multimeter was developed to withstand daily wear and tear on the job site, and has a safety rating of CAT III 600V, Class 2, Double insulation
- The NCVT-1 has a bright green LED to indicate the tester is working; it changes to red and warning tones sound when voltage is detected
- NCVT-1 has a digitally-controlled ON/OFF power button and auto power-off feature to conserve and extend battery life
- Receptacle tester detects wiring configurations and indicates correct wiring, open ground, open hot, open neutral, hot/ground reversed; it does not indicate quality of ground, multiple hot wires, or a combination of defects
- Includes visual and audible continuity indicators up to 25Ω
- Includes test leads and batteries



69149

Cat. No.	Set Contains	Weight		
69149		0.94 lb (0.43 kg)		
Cat. No.	Overall Length	Overall Height	Overall Width	Batteries
MM300	6" (152.4 mm)	1-25/32" (45.2 mm)	3-1/6" (77.8 mm)	2 x AAA
NCVT-1	5-1/2" (139.7 mm)	1" (25.4 mm)	23/32" (18.3 mm)	2 x AAA
Receptacle Tester	2-3/4" (69.9 mm)	1" (25.4 mm)	1-1/2" (38.1 mm)	—

#### ⚠ WARNINGS:

To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.

- Before each use, verify meter operation by measuring a known voltage or current.
- Never use the meter on a circuit with voltages that exceed the category based rating of this meter.
- Do not use the meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear to be damaged.
- Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
- Do not open the meter to replace batteries while the probes are connected.
- Use caution when working with voltages above 60V DC, or 25V AC RMS. Such voltages pose a shock hazard.
- To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
- Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
- Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.

