

AM-450 Digital Multimeter

Designed for in home repair and electrical testing applications

This versatile, easy-to-use digital multimeter is a great choice for homeowners, HVAC and office maintenance staff alike. Use it to measure voltage in receptacles, extension cords, light fixtures, batteries, and other electrical circuits up to 600 V. Or check the continuity of fuses, light bulbs, and electrical connections with an audible alert.

You can even use it to verify the voltage level of automotive batteries and troubleshoot electrical problems in cars. DC ranges of voltage and current are included to help with automotive diagnostics of electrical system. The battery test feature checks the amount of charge remaining in standard 1.5 V and 9 V batteries. With its user-friendly digital multimeter features like auto-ranging and a CAT III safety rating, the AM-450 will save time and increase measurement confidence.

AM-450 Features

- **Verify presence of voltage** in electrical sockets, extension cords, batteries and other electrical circuits up to 600 V
- **Measures AC/DC Voltage** up to 600 V, AC/DC Current to 10A, Resistance
- **Micro amps function** to troubleshoot flame sensors used in gas appliances
- **Audible Continuity**
- **Diode test** to verify diode polarity
- **Data hold** to retain readings on the screen
- **Auto power off** to conserve battery life
- **Low battery warning** helps avoid losing power in mid-measurement
- **Prop stand** for hands free operation
- **Safety rating:** CAT III 300 V, CAT II 600 V

Safety Certification

All Amprobe tools, including the Amprobe AM-450, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.



Input terminal for DC A measurement to 10A



AM-450
Digital Multimeter





Measure voltage in electrical sockets, extension cords, batteries and other electrical circuits up to 600 V



Diagnose automotive electrical problems

Feature	AM-450	Best Accuracy
AC Voltage	200.0 / 600 V	+/- (1.2% rdg + 3 LSD) @ 45 Hz to 400 Hz
DC Voltage	200.0 / 2000 mV 20.00 / 200.0 / 600 V	+/- (0.5% rdg + 2 LSD) @ 200 mV to 200 V
DC Current	200.0 μ A 20.00 / 200.0 mA, 10 A	+/- (1.0% rdg + 2 LSD) @ 200 μ A to 20 mA
Resistance	200.0 / 2000 Ω 20.00 / 200.0 / 2000 k Ω 20.00 M Ω	+/- (0.8% rdg + 5 LSD) @ 200 Ω to 2000 k Ω
Battery Test	1.5 V, 9 V	+/- (2.0% rdg + 5 LSD)

Continuity	•
Diode Test	•
Data Hold	•
Maximum Display	1999, updates 2 to 3/sec
Range	Manual-ranging
Over-range indication	"1", "-1" or maximum display reading
Operating Temperature	32°F to 104°F (0°C to +40°C)
Relative Humidity	32°F to 86°F (0°C to +30°C) \leq 75%; 86°F to 104°F (+30°C to +40°C) \leq 50%
Pollution degree	2
Operating Altitude	\leq 6561 ft (2000 m)
Storage Temperature	14°F to 122°F (-10°C to +50°C)
Electromagnetic Compatibility	In an RF field of 1V/m = Specified accuracy \pm 5%. RF field > 1V/m is not specified
Battery	One 9V alkaline battery (6LF22, 6LR61, MN1604) or equivalent
Battery Life	Alkaline: 100 hours typical
Low Battery Indication	
Overvoltage Category	CAT III 300 V, CAT II 600 V
Safety Compliance	IEC 61010-1, UL 61010-1 2nd Ed. and CAN/CSA C22.2 No. 61010-1-04 Update No.1:2008
EMC Compliance	Conforms to IEC 61326-1
Certification	
Dimensions (L x W x H)	5.5 x 2.9 x 1.5 in (140.5 x 74.5 x 38.4 mm)
Weight	Approximately 0.44lb (200g) with battery installed