



AMPROBE® MODEL AMB-6D
HAND-HELD DOWNLOADABLE
MEGOHMMETER

FEATURES

- Measures insulation resistance
- Performs the Dielectric Absorption Ratio Test
- Selectable testing voltages up to 1000V
- Programmable timers
- Built in automatic voltmeter
- Internal memory to store measurements
- Data download to a PC
- Battery operated
- Durable and dependable

BENEFITS

- Ideal for checking motor windings and cable insulation
- Fast and easy to use
- Warns against hazardous energized systems
- Measurements can be stored for future reference
- Software provided for printing reports
- Designed to use in remote locations
- All accessories and software are included with product

AMB-6D
Digital Megohmmeter



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Melrose, MA 02176
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The largest selection of test measurement equipment for electrical contractors.



Model AMB-6D

TECHNICAL SPECIFICATIONS

TECHNICAL FEATURES

Accuracy is indicated as [% of reading + number of digits]. It refers to the following atmospheric conditions: a temperature of 23°C ± 5°C with a relative humidity < 75%.

Continuity

Test mode	Measuring range (Ω)	Resolution(Ω)	Accuracy
AUTO, R+, R	0.01 – 19.99	0.01	±(2% Reading + 2 digit)
	20.0 – 99.9	0.1	
R+TIMER R-TIMER	0.01 – 9.99	0.01	±(2% Reading + 2 digit)

Test current >200mA DC up to 16Ω (includes the resistance of the calibration)
40mA DC from 16Ω to 99.9Ω

Test current resolution 1mA
Open circuit Test Voltage 9V

Insulation resistance

Test voltage(Ω)	Measuring range(MΩ)	Resolution(Ω)	Accuracy
50	0.01 – 19.99	0.01	±(2% Reading + 2 digit)
	20.0 – 49.9	0.1	
	50.0 – 99.9	0.1	±(5% Reading + 2 digit)
100	0.01 – 19.99	0.01	±(2% Reading + 2 digit)
	20.0 – 99.9	0.1	
	100.0 – 199.9	0.1	±(5% Reading + 2 digit)
250	0.01 – 19.99	0.01	±(2% Reading + 2 digit)
	20.0 – 199.9	0.1	
	200 – 249	1	±(5% Reading + 2 digit)
250 – 499	1		
500	0.01 – 19.99	0.01	±(2% Reading + 2 digit)
	20.0 – 199.9	0.1	
	200 – 499	1	±(5% Reading + 2 digit)
	500 – 999	1	
1000	0.01 – 19.99	0.01	±(2% Reading + 2 digit)
	20.0 – 199.9	0.1	
	200 – 999	1	±(5% Reading + 2 digit)
	1000 – 1999	1	

Automatic selection of the measuring range
Open circuit voltage 1,1 x Rated voltage test
Short circuit current <3,0mA - 500V
<2,0mA - 50V, 100V, 250V, 1000V
Rated measuring current 2,17 mA - 500V/230kΩ
1mA - 1000V/1MΩ

If the instrument measures a voltage higher than 30V, the instrument will not take a measurement.

Safety standards


Insulation: Class 2, double insulation
Over voltage category: CAT III

General specifications

Mechanical features

Dimensions: 8.8(L) x 6.4(La) x 2.25(H) inches
222(L) x 162(La) x 57(H)mm
Weight (batteries included): approx. 2.2lb (1000g)

Power supply

Battery type: 6 EACH 1.5 v "AA" batteries
Low battery indication: The symbol  is displayed when the battery voltage is too low.
Battery life: About 40 hours in stand-by or
500 LowW tests or 250 MW tests 500V/500kW or
1000 LOOP or RCD or PHASE SEQUENCE
Automatic Turn Off: Turns off after 5 minutes without use.

Display: Custom LCD
Memory: 350 tests
Interface: optical RS232 to print or to download the tests

Environmental conditions

Reference temperature: 73°F (23°C)
Operating temperature: 14 – 140°F (-10 – 50°C)
Relative humidity allowed: <80%
Storage temperature: 68 – 140°F (-20 – 60°C)
Storage humidity: <70%

EMC

This instrument was designed in compliance with the EMC standards in force and its compatibility was tested relating to:

Radiated emissions: EN55011
Immunity: EN50140, EN61000
Electrostatic discharges: EN61000-4-2
R.F. field: EN50140
Fast transient: EN61000-4-4

REPLACEMENT PARTS

Part Description	Part #
Carrying Case	GP-2CC
Optical Download Cable	C-2000
Test Leads Set (complete set w/ cables, alligator clips & probe)	MT1-LEADS