



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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

**AMB-6D**  
**Digital 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

**put me to the test.**

The largest selection of test measurement equipment for electrical contractors.



**AMPROBE®**  
*Built to Outlast.*

**Miami, Florida**  
**Phone: 305-423-7500**  
**Fax: 305-423-7554**  
**www.amprobe.com**

# 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