



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





AMB-50 5000V Basic Insulation Resistance Tester

Amprobe AMB-50 High-Voltage Insulation Tester has the necessary features for professional insulation diagnostics. It features calculation of PI, and DAR parameters. The PASS/FAIL comparison function helps to improve testing productivity. Readings are clearly displayed on a large backlit LCD display. Windows compatible PC Software and USB communications port serve for connecting the instrument to the PC and management of the recorded test data.

- Test insulation of wires, cables, transformers, motors, surge arrestors and generators
- Selectable testing voltages - one testing instrument for low and high voltage systems from 500/1000/2500 and 5000V
- Insulation resistance measurement up to $1T\Omega$
 - User selectable Programmable Timer (10s to 30 min)
 - Automatic discharge of test object after completion of measurement
- Diagnostic tools
 - Polarization index (PI)
 - Dielectric Absorption Ratio (DAR)
 - Comparison feature to set PASS / FAIL thresholds for quick measurement and verification
- Dual power source – receptacle or batteries
- Built in internal memory storing 18 measurements
- Comes as a complete kit: Power Adapter, Software, USB Interface Cable, Hard Carrying case, Batteries, complete set of test leads, and instruction manual
- CAT III 600V

No hassle warranty

No waiting.

No shipping charges.



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)

AMB-50 5000V Basic Insulation Resistance Tester

Data Sheet

General Specifications

Display (LCD)	1999 counts. Analog bar graph.
Operating Temperature	-10°C~40°C (14°F ~104°F)
Storage Temperature	-20°C ~60°C (-4 °F~152°F)
Relative Humidity	< 85% @ -10°C ~40°C below; < 90% @ 0°C ~40°C :
Battery Type	8pcs X 1.5V (LR14) batteries or power adaptor (input voltage 230V, 50/60Hz, 75mA, input DC14V, 1.0A). Power adaptor is not included
Storage Environment	-20°C to 60°C, 0 to 70% R.H. with battery removed from meter.

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Technical Specification

Feature			
Insulation Resistance @	500V 1000V 2500V 5000V		
Range	0.5 MΩ – 20GΩ 2 MΩ – 40GΩ 5MΩ – 100GΩ 100 MΩ – 1000GΩ		
Open Circuit Voltage	DC 500V 0%~+20% DC 1000V 0%~+20% DC 2500V 0%~+20% DC 5000V 0%~+20%		
Test Current	1mA~1.2mA @ 500kΩ 1mA~1.2mA @ 1MΩ 1mA~1.2mA @ 2.5MΩ 1mA~1.2mA @ 5MΩ		
Accuracy			
500V	0.50M ~99.9M : (3%+5) 100M ~9.99G : (5%+5) 10.0G ~20.0G : (10%+5)		
1000V	2.0M ~99.9M : (3%+5) 100M ~9.99G : (5%+5) 10.0G ~40.0G : (10%+5)		
2500V	5.0M ~99.9M : (3%+5) 100M ~9.99G : (5%+5) 10.0G ~100G : (10%+5)		
5000V	10.0M ~29.9M : (For reference only) 30.0M ~99.9M : (3%+5) 100M ~9.99G : (5%+5) 10.0G ~99.9G : (10%+5) Above 100G : [(20%+5) Humidity:Below 50%]		
Voltage	Range	Resolution	Accuracy
DC	±30 ~ ±600V	1V	(±2%+5) Among them 30~100V(50/60Hz)±(2%+8)
AC	30V~600V (50/60Hz)	1V	(±2%+5) Among them 30~100V(50/60Hz)±(2%+8)
Dimensions	220(L) X 155 (W) X94(H)mm (7.95 X 6.1 X 3.7 inch)		
Weight	Approx. 2kg (4.4 Lbs) (including battery)		
Included Accessories	AMB-50 Insulation Resistance Tester, Test Leads (1 set), Test Probe (1 set), Plug type test Lead with Alligator clip (Green), Plug type test Lead with Alligator clip (Black), Two Plugs type test lead with Alligator clip (Red), 8 Batteries (1.5V, LR14), Users Manual, Tool Box, Software, USB Cable, Power adaptor.		

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Amprobe® Test Tools

website: www.Amprobe.com
email: info@amprobe.com
Everett, WA 98203
Tel: 877-AMPROBE

Amprobe® Test Tools Europe

In den Engematten 14
79286 Glottertal, Germany
Tel.: +49 (0) 7684 8009 - 0