AMPROBE®

Data Sheet

AMB-55, AMB-110

High Voltage Digital Megohmmeters – Insulation Resistance Testers

Amprobe Industrial High-Voltage Insulation Testers have all necessary features for advanced professional insulation diagnostics. Automated calculation of PI, DD and DAR, combined with a possibility to perform a step voltage test make these instruments suitable for the most demanding customers and applications. Large LCD display allows real time R(t) graphs to be displayed. Windows compatible PC Software and either RS232 or USB communications ports 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:**
  - **AMB-55 from 250V to 5000V with 25V increments**
  - **AMB-110 from 500V to 10,000V with 25V increments**
- **Insulation resistance measurement up to 10TΩ**
  - **R(t) graph - Real time resistance against time graph plotting facility to graphically illustrate the response of a material to an applied test voltage**
  - **User selectable Programmable Timer (1s to 99 min)**
  - **Automatic discharge of test object after completion of measurement**
  - **Capacitance Measurement**
- **Diagnostic tools**
  - **Polarization index (PI)**
  - **Dielectric discharge (DD)**
  - **Dielectric Absorption Ratio (DAR) with automated resistance ranging (AR).**
- **Step voltage test - Insulation resistance will be measured at five different, equality sequenced test voltages for in-depth insulation system diagnostics**

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)

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- All parameters can be measured and displayed in one single measurement.
- High charging capacity - With 5 mA charging current insulation systems up to 50 µF can be quickly charged and tested.
- High EM (noise) immunity - Built in noise rejection filters and shielded test leads supplied in a standard set make the instrument suitable for accurate insulation testing in environments with high EM interferences like HV switchyards or similar environments
- Handy, rugged carrying case
- Dual power source – receptacle or rechargeable batteries
- Built in internal memory storing 1000 measurements with time and date
- CAT IV 600V overvoltage category for industrial applications

General Specifications

Feature	AMB-55	AMB-110	Accuracy
Insulation Resistance	0 – 999 kΩ 1.00 – 9.99, 10.0 – 99.9, 100 – 999 MΩ 1.00 – 9.99, 10.0 – 99.9, 100 – 999 GΩ 1.00 – 10.00 TΩ		±(5% rdg + 3 dgts) below 1TΩ ±(15% rdg + 3 dgts) @ 1TΩ and above
DC Test Voltage and Step Voltage	250 V to 5 kV, steps by 25 V	500 V to 10 kV, steps by 25 V	
Display Range Test Voltage	0 – 5500V	0 – 9999V	±(3% rdg + 3V)
		≧10kV	±(3% of reading)
Current Display Range	0.00 – 9.99, 10.0 – 99.9, 100 – 999 nA 1.00 – 9.99, 10.0 – 99.9, 100 – 999 µA 1.00 – 5.5 mA		±(5% rdg + 0.05 nA)
Dielectric Absorption Ratio (DAR)	0 – 99.9		±(5% rdg + 2 dgts)
Polarization Index (PI)	0 – 99.9		±(5% rdg + 2 dgts)
Dielectric Discharge Test (DD)	0 – 99.9		±(5% rdg + 2 dgts)
Leakage Current Display Range	0 – 5.50 mA		±(5% rdg + 2 dgts)
External Voltage Measurement	0 – 600V		±(3% rdg + 4V) @ 45 to 65Hz and DC
Capacitance Measurement	0.0– 99.9, 100 – 999 nF 1.00 – 50.00 µF		±(5% rdg + 4 nF)
Discharging Resistance	300 kΩ	425 kΩ	±10%
Mains Power Supply	90 - 260VAC, 45 - 60 Hz, 60VA		
Battery Power Supply	6 x 1.2V Ni-MH, IEC LR14	6 x 1.2V Ni-MH, IEC LR20	
Dimension (w x h x d)	31 x 13 x 25 cm (12 x 5 x 10 in)	36 x 16 x 33 cm (14.2 x 6.3 x 13 in)	
Weight (without accessories, with batteries)	3 kg (6.6 lb)	5.5 kg (12.1 lb)	

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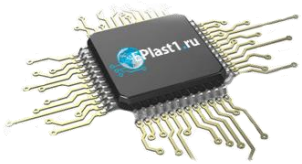
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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