

# AMB-50, AMB-55 and AMB-110

## Industrial High Voltage Insulation Testers

Professional insulation diagnostics, automated calculations and step voltage testing satisfy the most demanding applications. Accurately test cables, transformers, motors, surge arrestors and generators in noisy environments such as high voltage switch yards. Built-in noise rejection filters and shielded test leads provide high EMI immunity.

- Use one tester for low and high voltage systems with selectable test voltages:
  - AMB-50: 500 V, 1000 V, 2500 V and 5000 V
  - AMB-55: 250 V to 5000 V with 25 V increments
  - AMB-110: 500 V to 10,000 V with 25 V increments
- R(t) graph plots resistance in real-time to illustrate a response to the applied voltage
- Programmable timer
- Automatic discharge of test object after measurement is complete
- Measure and display all parameters simultaneously on large LCD
- Fast charging and testing
- Dual power source: receptacle or rechargeable batteries (AMB-55 and AMB-110)
- Built-in memory stores up to 1000 measurements with time and date
- Record and manage measurement data with PC Software via either RS232 or USB



AMB-50



AMB-55



AMB-110

FEATURE	AMB-50	AMB-55	AMB-110
Insulation Resistance	0.5 MΩ → 20 GΩ, 2 MΩ → 40 GΩ, 5 MΩ → 100 GΩ, 100 MΩ → 1000 GΩ	0 Ω → 999 kΩ, 1.00 Ω → 9.99 MΩ, 10.0 MΩ → 100.0 MΩ, 1.00 Ω → 9.99 GΩ	
Test Voltage and Step Voltage Display Range	0 V → 5000 V	0 V → 5500 V	0 V → 10000 V
Current Display Range	0 mA → 1.2 mA	0.00 nA → 9.99 nA, 10.0 nA → 99.9 nA, 100 nA → 999 nA, 1.00 μA → 9.99 μA, 10.0 μA → 99.9 μA, 100 μA → 999 μA, 1.00 mA → 5.50 mA	
Dielectric Absorption Ratio (DAR)	0 → 9.99	0.01 → 100.0	
Polarization Index (PI)	0 → 9.99	0 → 100.0	
Dielectric Discharge Test (DD)	0 → 9.99	0 → 100.0	
Leakage Current Display Range	1 mA → 1.2 mA	0 mA → 5.50 mA	
External Voltage Measurement	30 V → 600 V	0 V → 600 V	
Capacitance Measurement	–	0 nF → 99.9 nF, 100 nF → 999 nF, 1 μF → 50.0 μF	
Download PC Interface	•		•
Memory Size	18 Measurements		128 kB

**INCLUDED ACCESSORIES:** Test lead, large jaw alligator clips, batteries, user manual, carrying case, software, RS-232 cable (AMB-55, AMB-110 only), USB cable



★★★★★  
**TOP RATED**  
**"All the required tests can be done with this product"**

*"Measurement of dielectric discharge has importance in the measurement of insulation resistance, it's really a diagnostic insulation tester."*

- AMB-110 customer reviews

### Recommended Accessories

#### AMB-50-KIT1

Test leads (AMB-50)  
(Replacement part)

#### AMB-KIT1

Test leads (AMB-55, AMB-110)  
(Replacement part)

#### AMB-KIT2

10 KV Shielded Lead with Tip  
(AMB-110 Replacement part)



AMB-50-KIT1