

# 1000V Megohmmeter

- True Megohmmeter®
- Test voltage combinations of 50V, 100V, 250V, 500V and 1000V
- Insulation measurements to 4000GΩ (4TΩ)
- Direct measurement of DAR and PI values
- Direct measurement of sample Capacitance
- Display of test voltage and run time
- Programmable test run times and PI times
- Smooth and Alarm functions
- Automatic test inhibition (if live sample >25V)
- Automatic discharge and display of discharge voltage
- Large dual display with time, voltage and measurement
- Bright blue electroluminescent backlight
- Battery powered (AE213001)
- Auto power-down when not in use
- Remote operation with optional test probe
- Rugged, dual wall, weatherproof field case with detachable lead/accessory pouch
- EN 61010-1, 600V Cat III, IEC 61557 and CE rated

**AE213003 includes the following additional features:**

- AC rechargeable NiMH batteries — run while recharging
- RS-232 interface for direct printing of results (serial output)
- 128k memory to store measurements in specific files
- Remote operation of megohmmeter through PC
- Includes DataView® software for data storage, real-time display, analysis and report generation

**DataView® Software for AE213003**

- Configure all functions of the Megohmmeter AE213003
- Print reports of all test results
- Select test voltage and run tests from your computer with a simple click and execute process
- Retrieve and display data in real time
- Retrieve data from the instrument's memory:
  - Over 1500 insulation resistance measurements
  - Over 4000 resistance measurements
- Display DAR and PI ratios
- Plot graphs of manual and timed tests
- Include your analysis comments section with the report
- Store a library of setups for different applications



AS213003

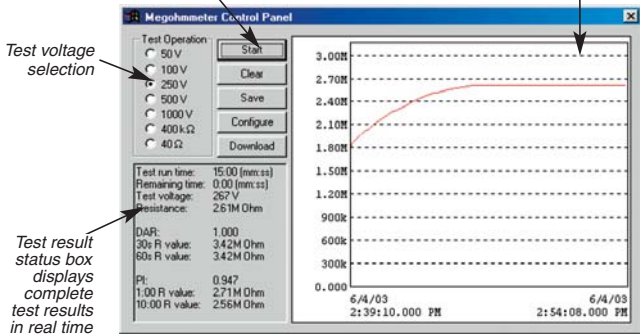


**SPECIFICATIONS**

Models	AE213001	AE213003
<b>Insulation Tests</b>		
Test Voltage	50V 100V 250V 500V 1000V	2kΩ to 200GΩ 4kΩ to 400GΩ 10kΩ to 1000GΩ (1TΩ) 20kΩ to 2000GΩ (2TΩ) 40kΩ to 4000GΩ (4TΩ)
Accuracy	2kΩ to 40GΩ 400GΩ to 4TΩ	±5% Reading ± 3cts ±5% Reading ± 10cts
Voltage Test/Safety Check		0 to 1000Vac/dc
Voltage Warning Indicator		>25V
Test Inhibition		Yes >25V
Smooth Function		Yes
<b>Resistance Tests</b>		
Measurement Range		0.01Ω to 400kΩ
Test Voltage		12.4Vdc max
Test Current		<6mAdc
Accuracy		±3% Reading ± 3cts
<b>Continuity Tests</b>		
Measurement Range		0.01Ω to 39.99Ω
Test Current		≥200mA from 0.01 to 20.00Ω
Accuracy		±3% Reading ± 4cts
<b>Other Features</b>		
Memory of Reading over Time R(t)	Yes (20 Readings)	Yes (128k memory)
Report Print Out on Printer	No	Yes – Preset format
Memory of Test Results in Files	No	128kB memory with RS-232
Bi-directional Software	No	Yes (included)
Power Source	Eight 1.5V C Cells	NiMH Batteries 85 to 256V (50/60Hz)

One button operation starts test and graph results

Graphic viewing of insulation resistance during the test run



Run test and display results from one dialog box.

Catalog No.	Description
AE213001	Megohmmeter Model 1050 (Digital, with Analog Bargraph, Backlight, Alarm, Timer, 50V, 100V, 250V, 500V, 1000V, Auto DAR/PI, Resistance, Continuity)
AE213003	Megohmmeter Model 1060 (Digital, with Analog Bargraph, Backlight, Alarm, Timer, 50V, 100V, 250V, 500V, 1000V, Auto DAR/PI, Res., Continuity, RS-232 with DataView® software, 128kB Memory)
NISTMG38	NIST Traceable Certificate
NISTMG39	NIST Traceable Certificate with Data

**AE213001** includes detachable accessory pouch including one red, one blue test lead, one black shielded lead, one each black, red and blue alligator clips, one black test probe and user manual.

**AE213003** includes detachable accessory pouch including one red, one blue test lead, one black shielded lead, one each black, red and blue alligator clips, one black test probe, one 6 ft RS-232 DB9/DB25 F/F Cable, rechargeable battery, DataView® software, US 120V power cord, and user manual.