MEGOHMMETERS
5000V Digital/Analog

Models 5050 & 5060

Designed with the highest level of safety features built in

1000V CAT III SAFETY RATING · CE ·

▲
Print measurement reports directly from your computer using DataView® software (Models 5060 & 5070)

DataView®
See page 17 for details

▶ SPECIFICATIONS

MODELS		5050	5060
INSULATION TESTS			
Test Voltage	500V	30kΩ to 2000GΩ (2TΩ)	
	1000V	100kΩ to 4000GΩ (4TΩ)	
	2500V	100kΩ to 10,000GΩ (10TΩ)	
	5000V	300kΩ to 10,000GΩ (10TΩ)	
User Selectable Test Voltage		Programmable: 40 to 1000V: 10V increments; 1000 to 5100V: 100V increments	
Automatic Step Voltage		–	
Accuracy	1kΩ to 40GΩ	±5% of Reading ± 3cts	
	40GΩ to 10TΩ	±15% of Reading ± 10cts	
Voltage Test/Safety Check		0 to 1000V$_{AC/DC}$	
Voltage Warning Indicator		Yes >25V	
Test Inhibition*		Yes — adjustable from 25 to 1000V depending on test voltage range in use	
Smooth Function (user selectable)		Digital filtering stabilizes display readings	
COMMUNICATION			
Storage of Readings over Time R(t)		4kB memory	128kB memory
Report Print Out Direct to Printer		No	Preset format
Storage of Test Results		20 Readings	Stores over 1500 test results
Communication Port		–	RS-232
PC Software/Report Generation		No	DataView® (included)
ELECTRICAL			
Power Source		One 9.6V NiMH battery pack (included) Line power: 85 to 256V (50/60Hz)	

Inhibit voltage is selectable at 3, 10 or 20% of test voltage

▶ PRODUCT INCLUDES

5050, 5060 & 5070

One red, one blue and one black lead with integral 5kV rated hippo clips, one jumper lead for use with guard terminal, rechargeable battery, US 120V power cord, extra large classic tool bag and user manual.

▶ PC RS-232 Cable
Catalog #2119.45 (optional)
DB9 F/F 6 ft null modem cable
Catalog #2119.46
DB9 F/F 6 ft cable for serial printer included with Models 5060 & 5070

▶ DataView Software®
Included with Models 5060 & 5070

CATALOG NO.	DESCRIPTION
2130.20	Megohmmeter Model 5050 (Digital, with Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, Auto DAR/PI/DD)
2130.21	Megohmmeter Model 5060 (Digital, with Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V Auto DAR/PI/DD, RS-232 w/DataView® software)

Data*View*®

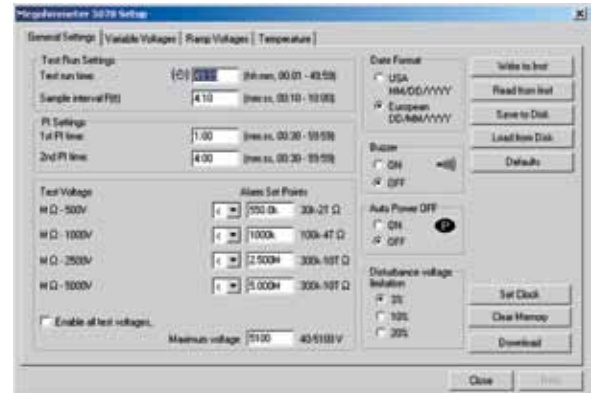## Data Analysis and Reporting Software for Megohmmeters

Configure all functions of the Megohmmeter Models 1060, 5060, 5070, 6550 & 6555

AUTOMATIC REPORT GENERATION

- Print reports of all test results
- Select test voltage and run tests from your computer with a simple click and execute process
- Capture 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
- Certification of results through report generation
- Free updates are available on our website **www.aemc.com**

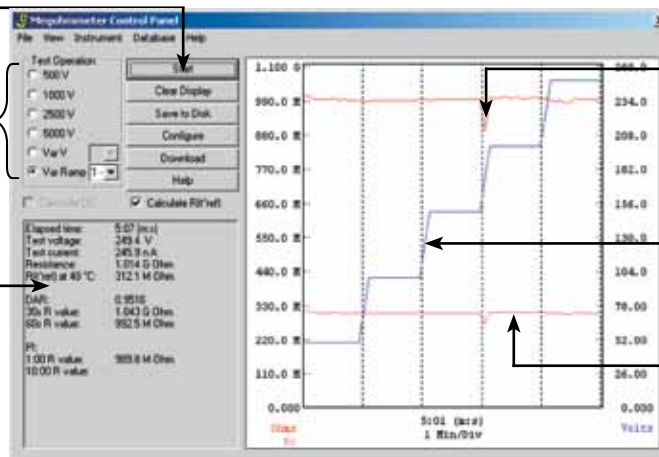*Clear and easy setup from one dialog box for Model 5060.*

Four tabbed dialog boxes allow for clear and easy setup of all functions of the Model 5070, including setup for variable voltage and alarm set points, as well as step voltage tests and temperature compensation.

One button operation starts test and graphs results

Test voltage selection

Test result status box displays complete test results in real-time

Insulation resistance during the test run

Step voltage during the test run

Insulation resistance with temperature compensation

Run test and display text and graphical results from one dialog box. Model 5070 also displays step voltage.