

# MEGOHMMETERS

## 5000V Digital/Analog

Special product features

### Models 5050 & 5060

Designed with the highest level of safety features built in



### SPECIFICATIONS



MODELS	5050	5060
<b>INSULATION TESTS</b>		
Test Voltage	500V 1000V 2500V 5000V	30kΩ to 2000GΩ (2TΩ) 100kΩ to 4000GΩ (4TΩ) 100kΩ to 10,000GΩ (10TΩ) 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 40GΩ to 10TΩ	±5% of Reading ± 3cts ±15% of Reading ± 10cts
Voltage Test/Safety Check		2500VAC/4000Vdc
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
<b>COMMUNICATION</b>		
Storage of Readings over Time R(t)	4kB memory	128kB memory
Storage of Test Results	20 Readings	Stores over 1500 test results
Communication Port	—	Serial and RS-232 to USB adapter (included)
PC Software/Report Generation	No	DataView® (included)
<b>ELECTRICAL</b>		
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



**DataView®**

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

### PRODUCT INCLUDES

5050, 5060 & 5070

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

#### PC RS-232 Cable

Catalog #2119.45  
DB9 F/F 6 ft null modem cable  
Catalog #5000.60  
RS-232 to USB adapter



#### USB Stick

Supplied with DataView® software and user manual (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, USB Stick w/DataView® software)

# DataView<sup>®</sup>

## Data Analysis and Reporting Software for Megohmmeters



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



- 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](http://www.aemc.com)

### Typical DataView<sup>®</sup> Functional Displays



Model 5070 includes Ramp Function which allows programming of three different ramp test profiles, each containing up to five voltage steps between 40 and 5100V and time per step of up to 10 hours.



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.

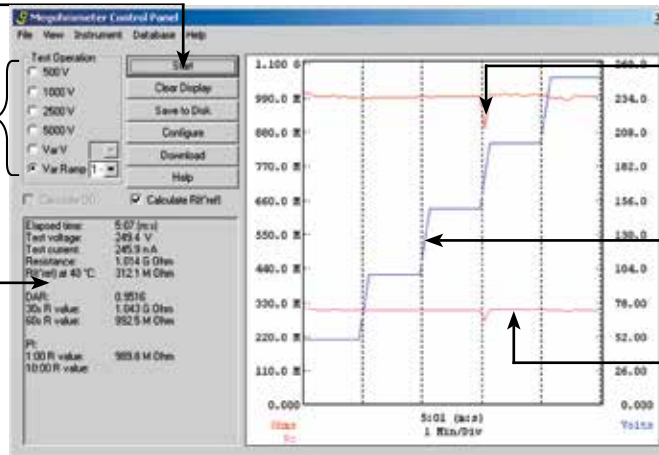


Clear and easy setup from one dialog box for Model 5060.

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.