

MEGOHMMETERS

5000V Digital/Analog

Models 5050 & 5060

Designed with the highest level of safety features built in



Model 5060

SPECIFICATIONS

MODELS	5050	5060
INSULATION TESTS		
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	
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	
COMMUNICATION		
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)
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



DataView®
See page 12 for details

Print 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, 115V power cord, rechargeable battery and user manual.



PC RS-232 Cable

Catalog #2119.45
DB9 F/F 6ft null modem cable
Catalog #5000.60
RS-232 to USB adapter
(Models 5060 & 5070)



USB Drive

Supplied with DataView® software and user manual
(Models 5060 & 5070)

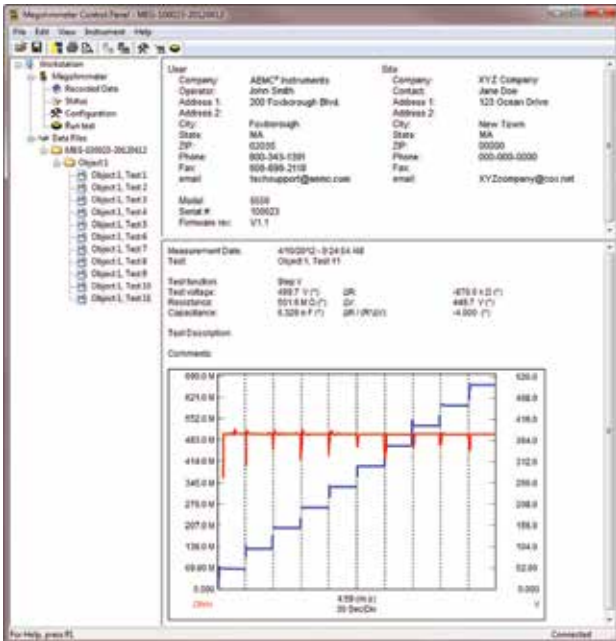


CATALOG NO.

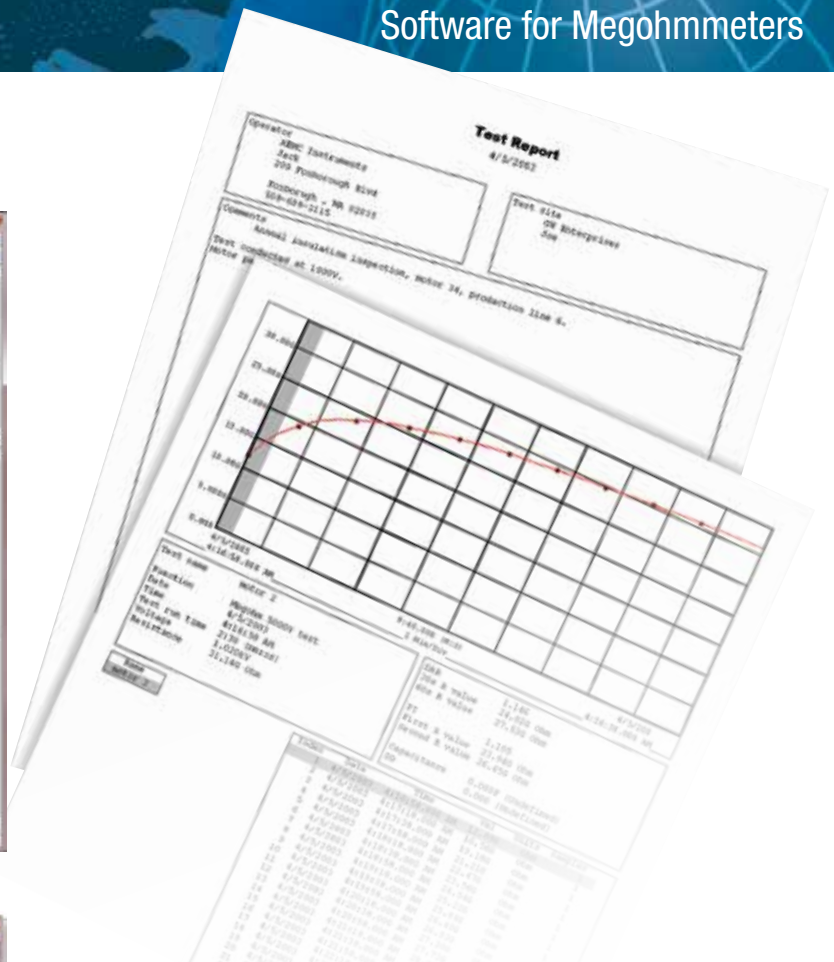
DESCRIPTION

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)

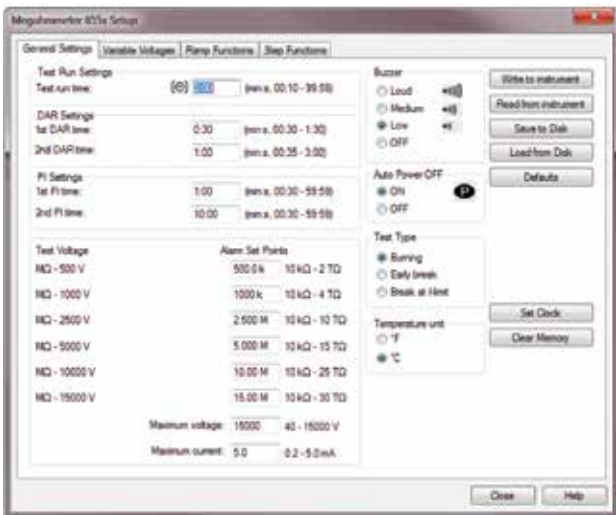
DataView® Displays



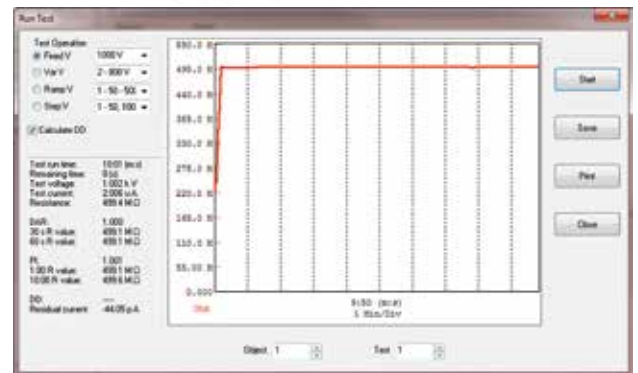
All stored test results presented on screen.



Standard and customized reports generated from DataView® software.



Clear and straightforward set up of parameters.



Real-time display of measurement results.

CATALOG NO.	DESCRIPTION
2130.31	Megohmmeter Model 6550 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, 10kV, Ramp, StepV, Variable, Auto DAR/PI/DD, USB Stick w/DataView® software)
2130.32	Megohmmeter Model 6555 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, 10kV, 15kV, Ramp, StepV, Variable, Auto DAR/PI/DD, USB Stick w/DataView® software)
Accessories (optional)	
2151.18	Lead – One Shielded Safety Lead (black) 25 ft w/Hippo Clips (15kV)
2151.19	Lead – One Shielded Safety Lead (blue) 25 ft w/Hippo Clips (15kV)
2151.20	Lead – One Shielded Safety Lead (red) 25 ft w/Hippo Clips (15kV)
2151.21	Lead – One Shielded Safety Lead (black) 45 ft w/Hippo Clips (15kV)
2151.22	Lead – One Shielded Safety Lead (blue) 45 ft w/Hippo Clips (15kV)
2151.23	Lead – One Shielded Safety Lead (red) 45 ft w/Hippo Clips (15kV)

DataView®

Data Analysis and Reporting Software



**Configure all functions of the Megohmmeter
Models 1060, 5060, 5070, 6526, 6532, 6534, 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 for:
 - 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

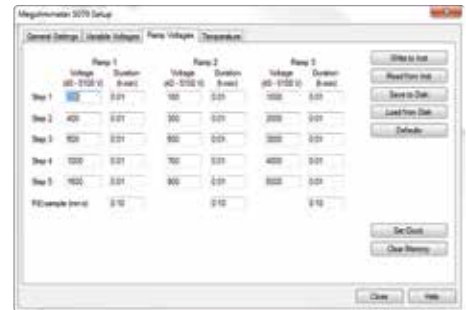
Typical DataView® Functional Displays



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.

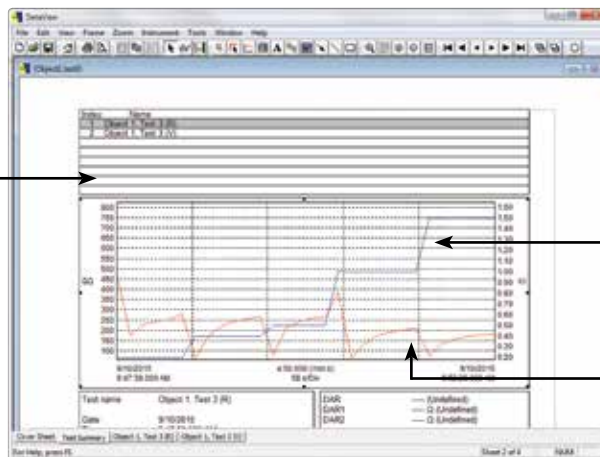


Variable Voltage selections from 40 to 5100V and can also be programmed along with alarm set points.



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.

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



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.

AEMC MODEL NUMBER	AEMC CATALOG NUMBER	TEST VOLTAGE	INSULATION RANGE	RESISTANCE RANGE	CONTINUITY RANGE	CAPACITANCE RANGE	VOLTAGE DETECTION	POWER SOURCE	DISPLAY	DATAVIEW® SOFTWARE
1050	2130.01	50V 100V 250V 500V 1000V	2kΩ to 200GΩ 4kΩ to 400GΩ 10kΩ to 1TΩ 20kΩ to 2TΩ 40kΩ to 4TΩ	0.01 to 400kΩ	0.01 to 39.99Ω	0.005 to 4.999μF	0 to 1000VAC/DC	8 x 1.5V C Cell Batteries	Digital/ Analog	No
1060	2130.03	50V 100V 250V 500V 1000V	2kΩ to 200GΩ 4kΩ to 400GΩ 10kΩ to 1TΩ 20kΩ to 2TΩ 40kΩ to 4TΩ	0.01 to 400kΩ	0.01 to 39.99Ω	0.005 to 4.999μF	0 to 1000VAC/DC	Rechargeable NiMH Battery	Digital/ Analog	Yes
5050	2130.20	500V 1000V 2500V 5000V	30kΩ to 2TΩ 100kΩ to 4TΩ 100kΩ to 10TΩ 300kΩ to 10TΩ	—	—	0 to 49.99μF	2500VAC 4000VDC	Rechargeable NiMH Battery	Digital/ Analog	No
5060	2130.21	500V 1000V 2500V 5000V	30kΩ to 2TΩ 100kΩ to 4TΩ 100kΩ to 10TΩ 300kΩ to 10TΩ	—	—	0 to 49.99μF	2500VAC 4000VDC	Rechargeable NiMH Battery	Digital/ Analog	Yes
5070	2130.30	500V 1000V 2500V 5000V	30kΩ to 2TΩ 100kΩ to 4TΩ 100kΩ to 10TΩ 300kΩ to 10TΩ	—	—	0 to 49.99μF	2500VAC 4000VDC	Rechargeable NiMH Battery	Graphic/ Digital	Yes
6501	2126.51	500V	0.5 to 200MΩ	0 to 500kΩ	0 to 100Ω	—	0 to 600VAC	Hand-cranked	Analog	No
6503	2126.52	250V 500V 1000V	1 to 500MΩ 1 to 500MΩ 10 to 5000MΩ	—	—	—	0 to 600VAC	Hand-cranked	Analog	No
6505	2130.18	500V 1000V 2500V 5000V	30kΩ to 2000GΩ 100kΩ to 4000GΩ 100kΩ to 10,000GΩ 300kΩ to 10,000GΩ	—	—	0.005 to 49.99μF	2500VAC 4000VDC	Rechargeable NiMH Battery	Digital/ Analog	No
6522	2155.51	250V 500V 1000V	50kΩ to 40GΩ	—	10Ω	—	700VAC/DC	6 x AA Alkaline Batteries	Digital/ Analog	No
6524	2155.52	50V 100V 250V 500V 1000V	10kΩ to 200GΩ	1000kΩ	10Ω, 100Ω	—	700VAC/DC	6 x AA Alkaline Batteries	Digital/ Analog	No
6526	2155.53	50V 100V 250V 500V 1000V	10kΩ to 200GΩ	1000kΩ	10Ω, 100Ω	0.1n to 10μF	700VAC/DC	6 x AA Alkaline Batteries	Digital/ Analog	Yes
6527	2126.53	250V 500V 1000V	1kΩ to 4GΩ 1kΩ to 4GΩ 1kΩ to 4GΩ	0.0 to 400.0kΩ	0.00 to 400Ω	—	0 to 600VAC 0 to 1000VDC	6 x AA Alkaline Batteries	Digital/ Analog	No
6532	2155.54	50V 100V	10kΩ to 20GΩ	1000kΩ	10Ω, 100Ω	0.1n to 10μF	700VAC/DC	6 x AA Alkaline Batteries	Digital/ Analog	Yes
6534	2155.55	10V 25V 100V 250V 500V	2kΩ to 50GΩ	1000kΩ	10Ω, 100Ω	—	700VAC/DC	6 x AA Alkaline Batteries	Digital/ Analog	Yes
6536	2155.56	10V 100V	2kΩ to 20GΩ	1000kΩ	10Ω, 100Ω	—	700VAC/DC	6 x AA Alkaline Batteries	Digital/ Analog	No
6536 ESD Floor Kit	2155.57	10V 100V	2kΩ to 20GΩ	1000kΩ	10Ω, 100Ω	—	700VAC/DC	6 x AA Alkaline Batteries	Digital/ Analog	No
6550	2130.31	500V 1000V 2500V 5000V 10,000V	10kΩ to 2000GΩ 10kΩ to 4000GΩ 10kΩ to 10,000GΩ 10kΩ to 15,000GΩ 10kΩ to 25,000GΩ	—	—	0.001 to 9.999μF 10.00 to 49.99μF	0 to 2500VAC 0 to 4000VDC	Rechargeable NiMH Battery	Digital/ Analog	Yes
6555	2130.32	500V 1000V 2500V 5000V 10,000V 15,000V	10kΩ to 2000GΩ 10kΩ to 4000GΩ 10kΩ to 10,000GΩ 10kΩ to 15,000GΩ 10kΩ to 25,000GΩ 10kΩ to 30,000GΩ	—	—	0.001 to 9.999μF 10.00 to 49.99μF	0 to 2500VAC 0 to 4000VDC	Rechargeable NiMH Battery	Digital/ Analog	Yes