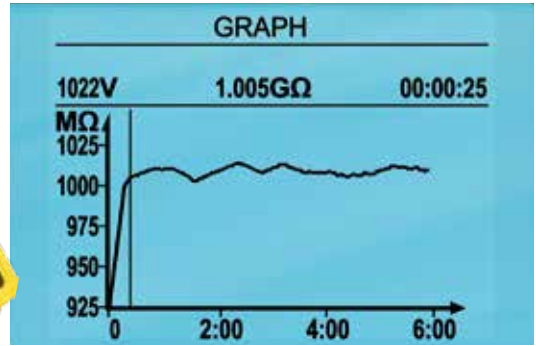


Model 5070

Offers real-time graphic plot of measurements and digital presentation of test results



Insulation resistance measurement graphically displayed at the completion of the test at the push of a button.

SPECIFICATIONS



MODEL	5070	
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	
Automatic Step Voltage	Programmable step voltage and duration up to five steps. Three profiles can be stored.	
Accuracy	1kΩ to 40GΩ 40GΩ to 10TΩ	±5% of Reading ± 3cts ±15% of Reading ± 10cts
Voltage Test/Safety Check	2500V _{AC} /4000V _{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)	128kB memory	
Storage of Test Results	Stores over 1500 test results	
Communication Port	Serial and RS-232 to USB adapter (included)	
PC Software/ Report Generation	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

FEATURES

- True Megohmmeter®
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Insulation measurements from 30kΩ to 10,000GΩ (10TΩ)
- Selectable and programmable test voltage (40 to 5100V)
- Automatic calculation of DAR, PI and DD ratios
- Direct measurement and display of Capacitance and Leakage Current
- Display resistance, test voltage and run time
- Programmable test run times and PI ratio times
- Smooth and Alarm functions
- Automatic test inhibition (if live sample >25V)
- Automatic discharge and display of discharge voltage
- Graphic and digital display of test voltage, resistance and more
- Bright blue electroluminescent backlight
- Programmable temperature compensation
- Programmable test voltage lock-out
- Programmable alarm setting
- Auto Power OFF when not in use
- AC or DC powered with rechargeable NiMH battery pack - run while charging
- Rugged, weatherproof field case
- Designed and built to IEC safety standards
- Includes DataView® software for data storage, real-time display, analysis and report generation (Model 5070)
- EN 61010-1, 1000V CAT III

CATALOG NO.	DESCRIPTION
2130.30	Megohmmeter Model 5070 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, Ramp, Auto DAR/PI/DD, USB Stick w/DataView® software)
Accessories (Optional)	
2119.45	Cable, PC RS-232, DB9 F/F 6 ft Null Modem Cable (for use with Models 1060, 5060 & 5070)

DataView®

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

Typical DataView® 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.

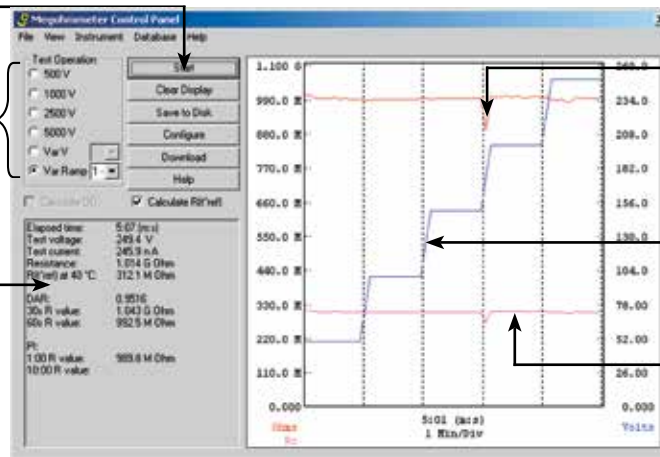


Clear and easy setup from one dialog box for Model 5060.

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.

