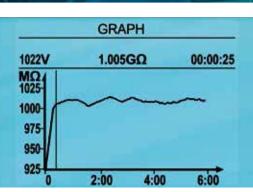


Model 5070



Special product





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

► 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
- · Calculations of Step Voltage through front panel and Ramp test through software connection (Model 5070)
- 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 (Model 5070)
- Bright blue electroluminescent backlight
- Programmable temperature compensation (Model 5070)
- 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 (Models 5060 & 5070)
- EN 61010-1, 1000V CAT III

CATALOG NO.

DESCRIPTION

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



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	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)	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

2130.30

Megohmmeter Model 5070 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, Step V, Auto DAR/PI/DD, USB Stick w/DataView® software)

Accessories (See last page for optional accessories) 2119.45

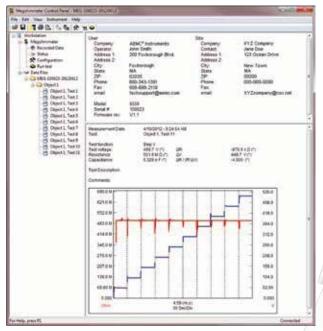
Cable- Replacement PC RS-232, DB9 F/F 6 ft Null Modem Cable

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DATAVIEW[®] Software for Megohmmeters

DataView® Displays



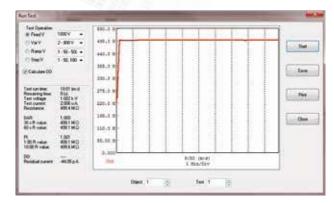
All stored test results presented on screen.

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NQ-2500 V		2.500 M	10kg-1010	Temperature unt	Set Clock
NO-5000 V		5.000 M	1040-1570	104	Clear Memory
NC - 10000 V		10.00 M	1040-2510	9.4	
		10.00 M	1010-2510		
HK2 - 19000 V		15.00 M	10 kQ - 30 TQ		
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Clear and straightforward set up of parameters.

CATALOG NO. DESCRIPTION

Standard and customized reports generated from DataView® software.



Real-time display of measurement results.

2130.31	Megohmmeter Model 6550 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 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, 10kV, 15kV, Ramp, StepV, Variable, Auto DAR/PI/DD, USB Stick w/DataView® software)
Accessories (option	onal)
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)

C CALRIGHT INSTRUMENTS

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The Right Source For Your Test & Measurement Needs

Data*View*[®]

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

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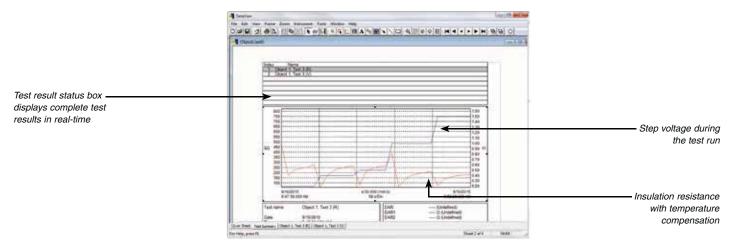
Four tabbed dialog boxes allow for clear and easy setup of all functions of the Model 5070, including setup for variable voltage and alarm set points, as well as step voltage tests and temperature compensation.

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

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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.



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



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MEGOHMMETERS Selection Chart

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	$\begin{array}{l} 2 k \Omega \text{ to } 200 \text{G} \Omega \\ 4 k \Omega \text{ to } 400 \text{G} \Omega \\ 10 k \Omega \text{ to } 1T \Omega \\ 20 k \Omega \text{ to } 2T \Omega \\ 40 k \Omega \text{ to } 4T \Omega \end{array}$	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	$\begin{array}{l} 2 k\Omega \text{ to } 200 \text{G}\Omega \\ 4 k\Omega \text{ to } 400 \text{G}\Omega \\ 10 k\Omega \text{ to } 1T\Omega \\ 20 k\Omega \text{ to } 2 T\Omega \\ 40 k\Omega \text{ to } 4 T\Omega \end{array}$	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 200M Ω	0 to 500k Ω	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	50k Ω to 40G Ω	_	10Ω	_	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	No
6524	2155.52	50V 100V 250V 500V 1000V	10k Ω to 200G Ω	1000kΩ	10Ω, 100Ω	_	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	No
6526	2155.53	50V 100V 250V 500V 1000V	10k Ω to 200G Ω	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	10k Ω to 20G Ω	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	2k Ω to 50G Ω	1000kΩ	10Ω, 100Ω	_	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	Yes
6536	2155.56	10V	2k Ω to 20G Ω	1000kΩ	10 Ω,		700Vac/dc	6 x AA Alkaline	Digital/	No
6536 ESD Floor Kit	2155.57	100V	2122 10 20022	1000K22	100Ω			Batteries	Analog	
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 25,000GΩ	_	_	0.001 to 9.999µF 10.00 to 49.99µF	0 to 2500Vac 0 to 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	Yes



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