

Offers real-time

measurements and

digital presentation

graphic plot of

of test results



Model 5070





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

► FEATURES

- True Megohmmeter® ٠
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Insulation measurements from $30k\Omega$ to $10,000G\Omega$ ($10T\Omega$)
- 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 (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

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)

2130.30

2119 45

Cable, PC RS-232, DB9 F/F 6 ft Null Modem Cable (for use with Models 1060, 5060 & 5070)



Technical Assistance (800) 343-1391

SPECIFICATIONS

INSULATION TESTS Test Voltage 500V 1000V 2500V	30kΩ to 2000GΩ (2TΩ) 100kΩ to 4000GΩ (4TΩ) 100kΩ to 10,000GΩ (10TΩ)				
1000V	100kΩ to 4000GΩ (4TΩ) 100kΩ to 10,000GΩ (10TΩ)				
5000V	300k Ω to 10,000G Ω (10T Ω)				
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.				
$\begin{array}{c} \textbf{Accuracy} & 1 k \Omega \text{ to } 40 G \Omega \\ 40 G \Omega \text{ to } 10 T \Omega \end{array}$	$\pm 5\%$ of Reading ± 3 cts $\pm 15\%$ of Reading ± 10 cts				
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



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

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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.

