MEGOHMMETERS
1000V Digital/Analog

USER PROGRAMMABLE

SELECTABLE TEST VOLTAGES

DATA STORAGE

Models 1050 & 1060

Test insulation on cables, transformers, motors and wiring installations

SAFETY 600V CAT III RATING · IP 54 Rated · CE · ☐ · AUTOMATIC REPORT GENERATION

Model 1060 only

▶ SPECIFICATIONS

MODELS		1050	1060
INSULATION TESTS			
Test Voltage	50V	2kΩ to 200GΩ	
	100V	4kΩ to 400GΩ	
	250V	10kΩ to 1000GΩ (1TΩ)	
	500V	20kΩ to 2000GΩ (2TΩ)	
	1000V	40kΩ to 4000GΩ (4TΩ)	
Accuracy	2kΩ to 40GΩ	5% of Reading ± 3cts	
	40GΩ to 4TΩ	15% of Reading ± 10cts	
Voltage Test/Safety Check		0 to 1000V AC/DC	
Voltage Warning Indicator		>25V	
Test Inhibition		Yes >25V	
Smooth Function		Yes	
RESISTANCE TESTS			
Measurement Range		0.01Ω to 400kΩ	
Test Voltage		12.4V DC max	
Test Current		<6mA DC	
Accuracy	>4kΩ	±3% of Reading ± 3cts	
CONTINUITY TESTS			
Measurement Range		0.01 to 39.99Ω	
Test Current		≥200mA from 0.01 to 20.00Ω	
Accuracy		±3% of Reading ± 4cts	
COMMUNICATION			
Memory of Reading over Time R(t)		Yes (20 Readings)	Yes (128kB memory)
Memory of Test Results in Files		No	128kB memory with RS-232 to USB adapter (included)
PC Software/Report Generation		No	DataView® (included)
ELECTRICAL			
Power Source		Eight 1.5V C Cells (included)	9.6V NiMH Battery Pack (included) 85 to 256V (50/60Hz)

▶ PRODUCT INCLUDES

One red, one blue test lead, one black shielded lead, one each black, red and blue alligator clips, one black test probe and user manual. Model 1060 also includes RS-232 to USB adapter, DB9 F/F 6 ft null modem cable, rechargeable battery, US 120V power cord, and USB stick supplied with DataView® software and user manual.

▶ FEATURES

- True Megohmmeter®
- Test voltage selections of 50V, 100V, 250V, 500V and 1000V
- Insulation measurements to 4000GΩ (4TΩ)
- Direct measurement of DAR and PI values
- Direct measurement of sample capacitance
- Display of test voltage and run time
- Programmable test run times and PI times
- Smooth and Alarm functions
- Automatic test inhibition (if live sample >25V)
- Automatic discharge and display of discharge voltage
- Large dual display with time, voltage and measurement
- Bright blue electroluminescent backlight
- Battery powered (Model 1050)
- Auto Power OFF when not in use
- Remote operation with optional test probe
- Rugged, dual wall, weatherproof field case with detachable lead/accessory pouch
- EN 61010-1, 600V CAT III, EN 61557

Model 1060 includes the following additional features:

- AC rechargeable NiMH battery pack
- RS-232 interface with USB 2.0 cable for DataView® easy report printing
- 128kB memory to store measurements in specific files
- Remote operation of megohmmeter through PC
- Includes DataView® software for data storage, real-time display, analysis and report generation

CATALOG NO.	DESCRIPTION
2130.01	Megohmmeter Model 1050 (Digital, with Analog Bargraph, Backlight, Alarm, Timer, 50V, 100V, 250V, 500V, 1000V, Auto DAR/PI, Resistance, Continuity)
2130.03	Megohmmeter Model 1060 (Digital, with Analog Bargraph, Backlight, Alarm, Timer, 50V, 100V, 250V, 500V, 1000V, Auto DAR/PI, Resistance, Continuity, USB Sitck w/ DataView® software, 128kB Memory)
2118.97	Remote Test Probe

Data*View*®

Data Analysis and Reporting Software

Configure all functions of the Megohmmeter
Models 1060, 5060, 5070, 6526, 6532, 6534, 6550 & 6555
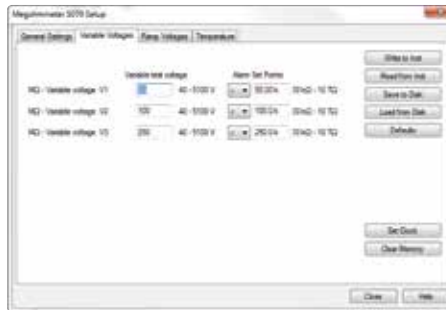
AUTOMATIC REPORT GENERATION

- 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.
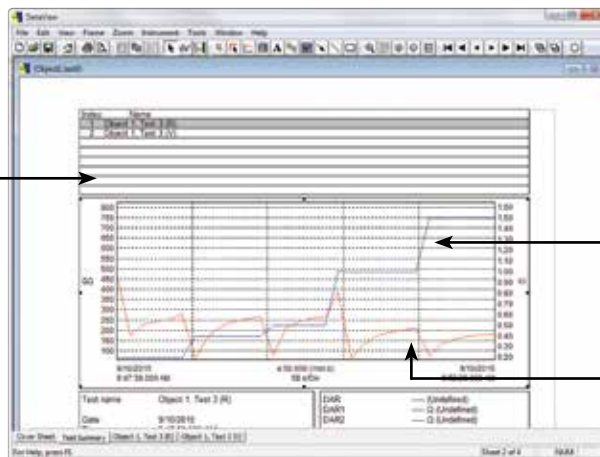

Variable Voltage selections from 40 to 5100V and can also be programmed along with alarm set points.

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.