

MEGOHMMETERS

Digital/Analog & Multi-Function Handheld

Models 6522, 6524, 6526, 6532, 6534 & 6536



SPECIFICATIONS

MODELS	6522	6524	6526	6532	6534	6536
INSULATION TESTS						
Test Voltages	250V, 500V, 1000V	50V, 100V, 250V, 500V, 1000V	50V, 100V, 250V, 500V, 1000V	50V, 100V	10V, 25V, 100V, 250V, 500V	Variable 10 to 100V (1V steps)
Insulation Resistance	40GΩ (40,000MΩ)	200GΩ (200,000MΩ)	200GΩ (200,000MΩ)	20GΩ (20,000MΩ)	50GΩ (50,000MΩ)	20GΩ (20,000MΩ)
PI/DAR Ratios	–	Yes	Yes	Yes	–	–
Test Lock	Yes	Yes	Yes	Yes	Yes	Yes
Timer	0 to 40min	0 to 40min	0 to 40min	0 to 40min	0 to 40min	0 to 40min
Auto Discharge	Yes	Yes	Yes	Yes	Yes	Yes
Automatic Test Inhibit	>25V	>25V	>25V	>25V	>25V	>25V
DMM FUNCTIONS						
Voltage	700VAC/DC	700VAC/DC	700VAC/DC	700VAC/DC	700VAC/DC	700VAC/DC
Resistance	–	1000kΩ	1000kΩ	1000kΩ	1000kΩ	1000kΩ
Continuity	10Ω	10Ω, 100Ω	10Ω, 100Ω	10Ω, 100Ω	10Ω, 100Ω	10Ω, 100Ω
Test Current	200mA	200mA/20mA	200mA/20mA	200mA/20mA	200mA/20mA	200mA/20mA
Capacitance Measurement	–	–	0.1n to 10μF	0.1n to 10μF	–	–
Frequency	–	15.3 to 800Hz	15.3 to 800Hz	15.3 to 800Hz	–	–
GENERAL FUNCTIONS						
Alarm	–	Yes	Yes	Yes	Yes	Yes
Δ Rel	–	Yes	Yes	Yes	Yes	Yes
Auto Power OFF	Yes	Yes	Yes	Yes	Yes	Yes
Data Hold	Yes	Yes	Yes	Yes	Yes	Yes
Test Lead Compensation	Yes	Yes	Yes	Yes	Yes	Yes
Remote Probe	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)
Memory	–	300 measurements	1300 measurements	1300 measurements	1300 measurements	–
Bluetooth	–	–	2.1 Class II	2.1 Class II	2.1 Class II	–
DataView® Software	–	–	Included	Included	Included	–
Display Type	Digital w/Analog Bargraph	Digital w/Analog Bargraph	Digital w/Analog Bargraph	Digital w/Analog Bargraph	Digital w/Analog Bargraph	Digital w/Analog Bargraph
Display Counts	4000	4000	4000	4000	4000	4000
Backlight	Yes	Yes	Yes	Yes	Yes	Yes
Safety	600V CAT IV	600V CAT IV	600V CAT IV	600V CAT IV	600V CAT IV	600V CAT IV
Power Supply	6 x AA Alkaline	6 x AA Alkaline	6 x AA Alkaline	6 x AA Alkaline	6 x AA Alkaline	6 x AA Alkaline
Protection	IP54/IK 04	IP54/IK 04	IP54/IK 04	IP54/IK 04	IP54/IK 04	IP54/IK 04
Magnetic Mount	Yes	Yes	Yes	Yes	Yes	Yes
Additional Features	–	–	Green/Red Pass/Fail Indicator	Cable length measurement (0 to 100km)	–	–
Applications	Industrial Maintenance	Industrial Maintenance	Industrial Maintenance	Telecom	Electronics, ESD	Avionics, Space, Defense

CATALOG NO. DESCRIPTION

2155.51	Megohmmeter Model 6522 (Digital w/Analog Bargraph, 250V, 500V, 1000V, Continuity, V)
2155.52	Megohmmeter Model 6524 (Digital w/Analog Bargraph, Alarm, 50V, 100V, 250V, 500V, 1000V, Ohm, Continuity, V, kΩ, Mem)
2155.53	Megohmmeter Model 6526 (Digital w/Analog Bargraph, Alarm, 50V, 100V, 250V, 500V, 1000V, Ohm, Continuity, V, kΩ, Cap, Mem, Bluetooth w/DataView® software)
2155.54	Megohmmeter Model 6532 (Digital w/Analog Bargraph, Alarm, 50V, 100V, Ohm, Continuity, V, kΩ, Cap, Mem, Bluetooth w/DataView® software)
2155.55	Megohmmeter Model 6534 (Digital w/Analog Bargraph, Alarm, 10V, 25V, 100V, 250V, 500V, Ohm, Continuity, V, kΩ, Mem, Bluetooth w/DataView® software)
2155.56	Megohmmeter Model 6536 (Digital w/Analog Bargraph, Alarm, Variable 10 to 100V, Ohm, Continuity, V, kΩ)
2155.57	Megohmmeter Model 6536 ESD Floor Kit (Meter, set of 2, 5lb weights and carrying case)

Models 6522, 6524, 6526, 6532, 6534 & 6536

Front Panel & Functional Displays

Analog with bargraph display of insulation resistance

Secondary display

Main display

Function indicators



KEY FEATURES*

- True Megohmmeter®
- Test voltage from 10 to 1000V
- Insulation resistance up to 200GΩ
- Manual, Lock, Timer modes & PI/DAR Ratio calculations
- Alarms with Green/Red Pass/Fail indicator light
- 200mA/20mA continuity with active protection without fuses
- Measurement of V (TRMS & DC), F, Ω, kΩ, Hz, C and cable length
- ΔRel mode for comparison measurements
- Configurable alarms
- Data storage
- Automatic discharge after test
- Automatic test inhibit if device under test is energized >25V

* **Features are model dependent**
Bluetooth on selected models

Models 6522 & 6524

Soft carrying pouch, two 1.5m test leads (red/black), two alligator clips (red/black), 1 black test probe, 6 AA batteries and user manual.

Model 6536

Soft carrying pouch, two 1.5m test leads (red/black), two alligator clips (red/black), 1 black test probe, two "grip" probes (red/black), 6 AA batteries and user manual.

Model 6536 ESD Floor Kit

Field case, two 1.5m test leads (red/black), 4mm non-insulated adapter for leads, two alligator clips (red/black), 1 black test probe, two "grip" probes (red/black), two set of 5lb weights, 6 AA batteries and user manual.

Access to the instrument information and setup for Test Lock, Timer, PI/DAR and Times

Navigation buttons:

- Display instrument information
- Turn buzzer on or off
- Turn power saver on or off
- Program test time
- Select displayed parameters
- Program alarm set points

Memory recall/Bluetooth activation

Alarm activation/deactivation with Pass/Fail indication (model dependent)



Test lead resistance compensation

ΔRel set and compare measurements to a reference value

Test button

Test function selection switch

DataView®

Data Analysis and Reporting Software



Configure Megohmmeter Models 6526, 6532 & 6534

- Print reports of all test results
- Run tests from your computer with a simple click and execute process
- Capture and display data in real-time

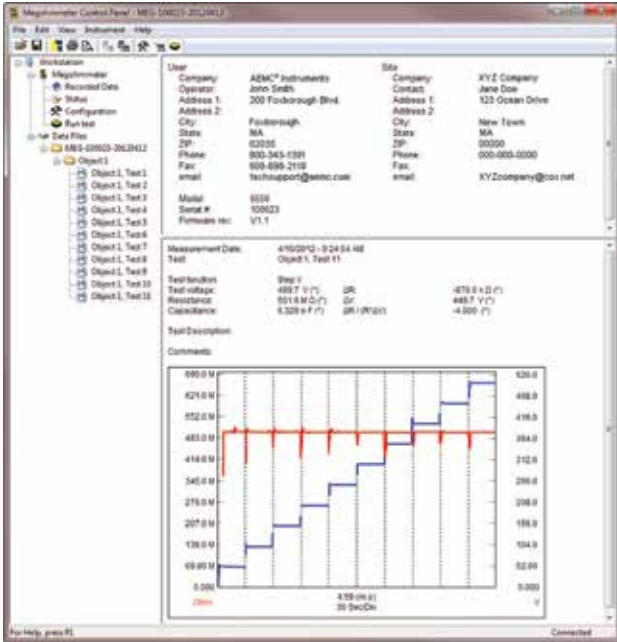
PRODUCT INCLUDES

Models 6526, 6532 & 6534

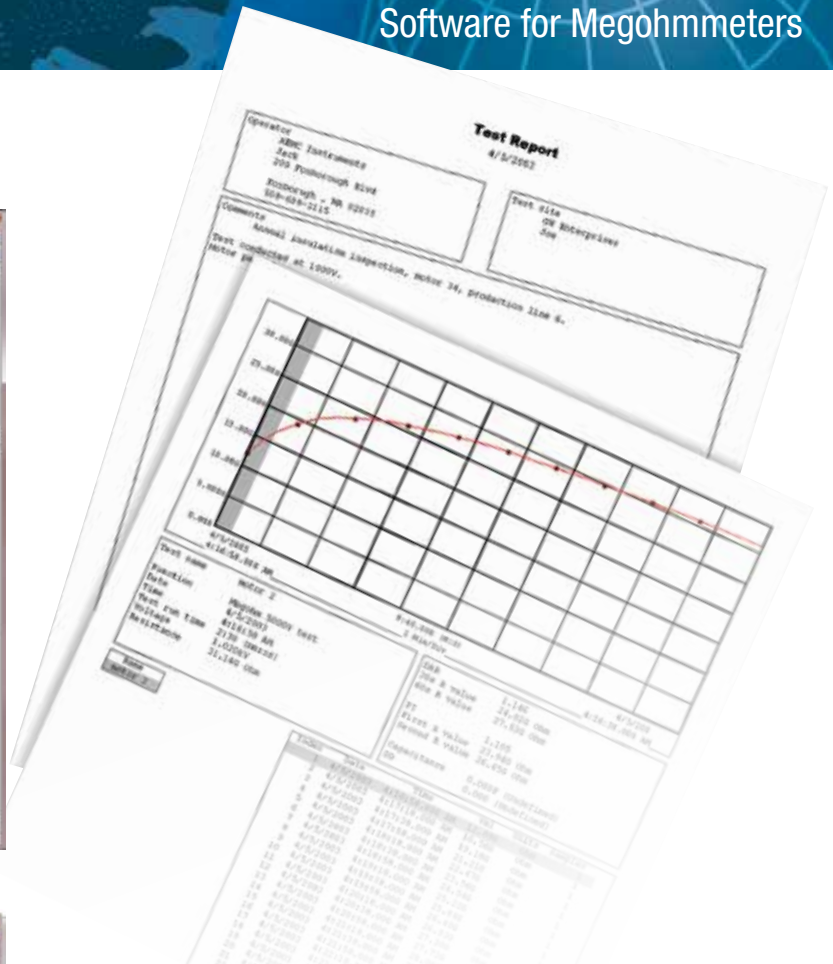
Soft carrying pouch, two 1.5m test leads (red/black), two alligator clips (red/black), 1 black test probe, two "grip" probes (red/black) (Models 6532 & 6534), 6 AA batteries, quick start guide, and a USB drive with DataView® software and user manual.



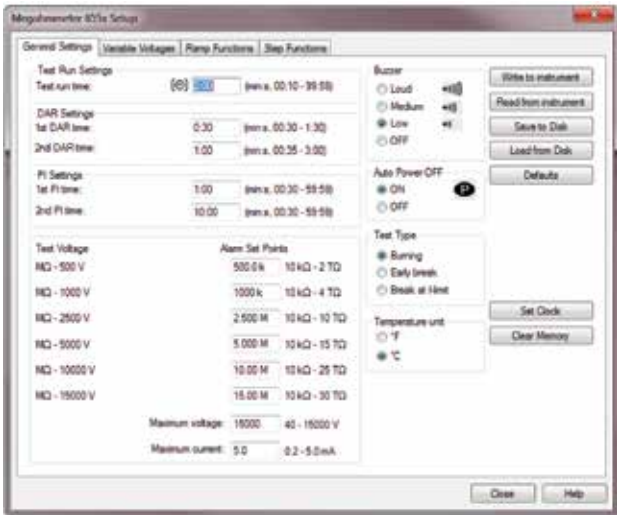
DataView® Displays



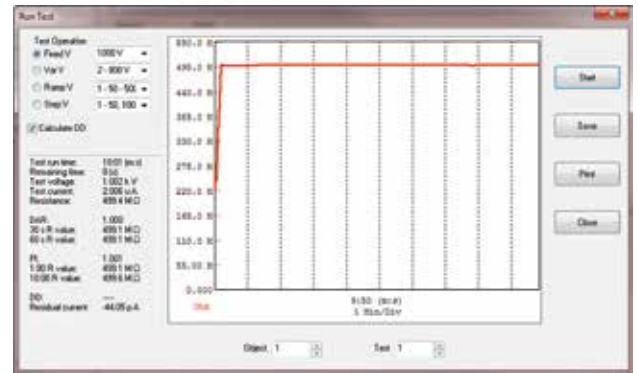
All stored test results presented on screen.



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**

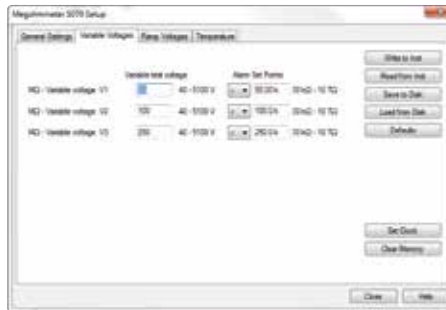


- Print reports of all test results
- Select test voltage and run tests from your computer with a simple click and execute process
- Capture and display data in real-time
- Retrieve data from the instrument's memory for:
 - Over 1500 insulation resistance measurements
 - Over 4000 resistance measurements
- 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.

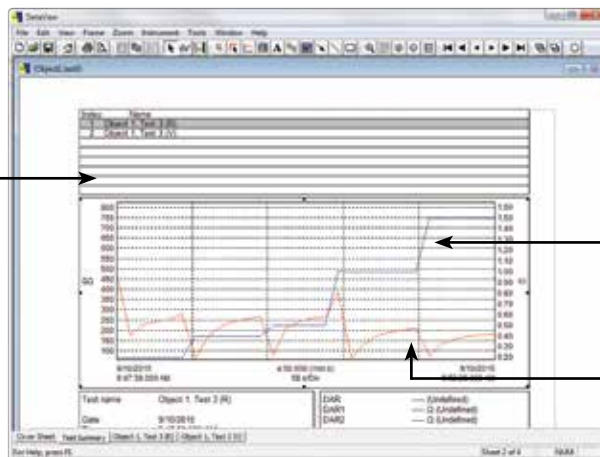


Variable Voltage selections from 40 to 5100V and can also be programmed along with alarm set points.



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