

MEGOHMMETERS

5000 V DIGITAL/ANALOG

MODELS 5050 & 5060

Designed with the highest level of built-in safety features

SPECIFICATIONS

MODELS		5050	5060
INSULATION TESTS			
Test Voltage	500 V 1000 V 2500 V 5000 V	10 kΩ to 2000 GΩ (2 TΩ) 10 kΩ to 4000 GΩ (4 TΩ) 10 kΩ to 10,000 GΩ (10 TΩ) 10 kΩ to 10,000 GΩ (10 TΩ)	
User Selectable Test Voltage		Programmable: (40 to 1000) V: 10 V increments; (1000 to 5100) V: 100 V increments	
Accuracy	10 kΩ to 399.9 GΩ 400 GΩ to 10 TΩ	± 5 % of Reading ± 3 cts ± 15 % of Reading ± 10 cts	
Voltage Test/Safety Check		2500 V _{AC} /4000 V _{DC}	
Voltage Warning Indicator		Yes > 25 V	
Test Inhibition		Yes – selectable at (3, 10, or 20) % of test voltage	
Smooth Function (user selectable)		Digital filtering stabilizes display readings	
COMMUNICATION			
Storage of Readings over Time R(t)		4 kB memory	128 kB memory
Storage of Test Results		20 readings	1500 readings
Communication Port		–	Serial and RS-232 to USB adapter (included)
PC Software/Report Generation		–	DataView® (included)
ELECTRICAL			
Power Supply		(1) 9.6 V NiMH battery pack (included) Line power: (85 to 256) V (50/60) Hz	
SAFETY			
Safety Rating		EN 61010-1, 600 V, CAT III 1000 V	

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ACCESSORIES/REPLACEMENTS

CATALOG #2119.45 PC RS-232 DB9 F/F 6 ft Null Modem Cable (5060 & 5070)

CATALOG #2119.84 Fuse, set of (3), 0.1 A, 380 V, 5 x 20, .10 kA

CATALOG #2133.73 Extra Large Classic Tool Bag (18 x 9 x 12) in

CATALOG #2135.43 Inverter – 12 VDC to 120 VAC 200 Watt for Vehicle use

CATALOG #2136.80 Cable – 10 ft USB Cable

CATALOG #2140.46 Cable – 5 ft USB A-B Cable

CATALOG #2151.30 Lead – Replacement set of (3), 10 ft (5 kV) color-coded safety with clips (Jumper lead not included)

CATALOG #2151.31 Lead – Replacement 1 ft jumper lead (blue)

CATALOG #2151.32 Lead – Set of (3), 25 ft (5 kV) safety with clips

CATALOG #2960.21 Battery – Rechargeable 9.6 V

CATALOG #5000.60 Adapter RS-232 to USB 2.0 (5060 & 5070)

CATALOG #5000.14 US 115 V Power Cord

USB THUMB DRIVE Supplied with DataView® software and user manual (5060 & 5070)

CATALOG NO.	DESCRIPTION
2130.20	Megohmmeter Model 5050 (Digital, Analog Bargraph, Backlight, Alarm, Timer, 500 V, 1000 V, 2500 V, 5000 V, Auto DAR/PI/DD)
2130.21	Megohmmeter Model 5060 (Digital, Analog Bargraph, Backlight, Alarm, Timer, 500 V, 1000 V, 2500 V, 5000 V, Auto DAR/PI/DD, USB w/DataView® Software)



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DataView®

5060 only

FEATURES

- True Megohmmeter®
- Test voltage selections of (500, 1000, 2500, and 5000) V
- Variable test voltage from (50 to 5100) V (model 5060)
- Wide measurement range up to 10 TΩ
- Automatic discharge at the completion of the test
- Measure AC voltage up to 4000 V
- Automatic test inhibit if live voltage detected above a set value
- Programmable alarms for all functions
- Automatic calculation of DAR, PI and DD ratios
- Large, backlit LCD screen with digital display and bargraph
- Measures capacitance up to 49.99 μf
- Stores up to 1500 measurements (model 5060)
- Includes DataView® software for data retrieval, real-time display, analysis and report generation

PRODUCT INCLUDES

5050, 5060 & 5070

Extra large classic tool bag, set of (3) 10 ft (5 kV) safety leads (red/black/blue) with clips, one guard terminal jumper lead (blue), US 115 V power cord, rechargeable battery pack, and user manual (5050)



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
6503	2126.52	250 V 500 V 1000 V	(1 to 500) MΩ (1 to 500) MΩ (10 to 5000) MΩ	—			600 VAC	Hand-cranked	Analog	No
6522	2155.51	250 V 500 V 1000 V	50 kΩ to 10 GΩ 100 kΩ to 20 GΩ 200 kΩ to 40 GΩ	—	10 Ω	—	700 VAC/DC	(6) AA Alkaline Batteries	Digital/ Analog	No
6527	2126.53	250 V 500 V 1000 V	1 kΩ to 4 GΩ 1 kΩ to 4 GΩ 1 kΩ to 4 GΩ	400 kΩ	400 Ω	—	600 VAC 1000 VDC	(6) AA Alkaline Batteries	Digital/ Analog	No
6529	2126.55	50 V 100 V 250 V 500 V 1000 V	(0.010 to 420) MΩ (0.020 to 420) MΩ (0.050 to 420) MΩ (0.100 to 4200) MΩ 0.20 MΩ to 11 GΩ	(0 to 420) kΩ	(0 to 40) Ω (200 mA test current ≤ 2 Ω)	—	700 VAC 700 VAC/DC	(6) AA Alkaline Batteries	Digital	No
6526	2155.53	50 V 100 V 250 V 500 V 1000 V	10 kΩ to 10 GΩ 20 kΩ to 20 GΩ 50 kΩ to 50 GΩ 100 kΩ to 100 GΩ 200 kΩ to 200 GΩ	1000 kΩ	10 Ω, 100 Ω	0.1 n to 10 μF	700 VAC/DC	(6) AA Alkaline Batteries	Digital/ Analog	Yes
6534	2155.55	10 V 25 V 100 V 250 V 500 V	2 kΩ to 1 GΩ 5 kΩ to 2 GΩ 10 kΩ to 10 GΩ 50 kΩ to 25 GΩ 100 kΩ to 50 GΩ	1000 kΩ	10 Ω, 100 Ω	—	700 VAC/DC	(6) AA Alkaline Batteries	Digital/ Analog	Yes
6536	2155.56	10 V 100 V	2 kΩ to 20 GΩ	1000 kΩ	10 Ω, 100 Ω	—	700 VAC/DC	(6) AA Alkaline Batteries	Digital/ Analog	No
6536 ESD Floor Kit	2155.57	(variable in 1 V steps)								
1060	2130.03	50 V 100 V 250 V 500 V 1000 V	2 kΩ to 200 GΩ 4 kΩ to 400 GΩ 10 kΩ to 1 TΩ 20 kΩ to 2 TΩ 40 kΩ to 4 TΩ	400 kΩ	40 Ω	(0.005 to 4.999) μF	1000 VAC/DC	Rechargeable NiMH Battery	Digital/ Analog	Yes
6505	2130.18	500 V 1000 V 2500 V 5000 V	10 kΩ to 2 TΩ 10 kΩ to 4 TΩ 10 kΩ to 10 TΩ 10 kΩ to 10 TΩ	—		(0.001 to 49.99) μF	2500 VAC 4000 VDC	Rechargeable NiMH Battery	Digital/ Analog	No
5050	2130.20	500 V 1000 V 2500 V 5000 V	10 kΩ to 2 TΩ 10 kΩ to 4 TΩ 10 kΩ to 10 TΩ 10 kΩ to 10 TΩ	—		(0.001 to 49.99) μF	2500 VAC 4000 VDC	Rechargeable NiMH Battery	Digital/ Analog	No
5060	2130.21	500 V 1000 V 2500 V 5000 V	10 kΩ to 2 TΩ 10 kΩ to 4 TΩ 10 kΩ to 10 TΩ 10 kΩ to 10 TΩ	—		(0.001 to 49.99) μF	2500 VAC 4000 VDC	Rechargeable NiMH Battery	Digital/ Analog	Yes
5070	2130.30	500 V 1000 V 2500 V 5000 V	10 kΩ to 2 TΩ 10 kΩ to 4 TΩ 10 kΩ to 10 TΩ 10 kΩ to 10 TΩ	—		(0.001 to 49.99) μF	2500 VAC 4000 VDC	Rechargeable NiMH Battery	Graphic/ Digital	Yes
6550	2130.31	500 V 1000 V 2500 V 5000 V 10,000 V	10 kΩ to 2000 GΩ 10 kΩ to 4000 GΩ 10 kΩ to 10,000 GΩ 10 kΩ to 15,000 GΩ 10 kΩ to 25,000 GΩ	—		(0.001 to 19.99) μF	2500 VAC 4000 VDC	Rechargeable NiMH Battery	Digital/ Analog	Yes
6555	2130.32	500 V 1000 V 2500 V 5000 V 10,000 V 15,000 V	10 kΩ to 2000 GΩ 10 kΩ to 4000 GΩ 10 kΩ to 10,000 GΩ 10 kΩ to 15,000 GΩ 10 kΩ to 25,000 GΩ 10 kΩ to 30,000 GΩ	—		(0.001 to 19.99) μF	2500 VAC 4000 VDC	Rechargeable NiMH Battery	Digital/ Analog	Yes

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