

MEGOHMMETERS

5000 V DIGITAL/ANALOG



MODELS 5050 & 5060

Designed with the highest level of built-in safety features



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)

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	–	USB optically isolated port
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

- CAT. #2119.45** PC RS-232 DB9 F/F 6 ft Null Modem Cable (5060)
- CAT. #2119.84** Fuse, set of (3), 0.1 A, 380 V, 5 x 20, .10 kA
- CAT. #2133.73** Extra Large Classic Tool Bag (18 x 9 x 12) in
- CAT. #2135.43** Inverter – 12 V_{DC} to 120 V_{AC} 200 Watt for Vehicle use
- CAT. #2136.80** Cable – 10 ft USB Cable
- CAT. #2151.30** Lead – Replacement Set of 3, 10 ft (5 kV) w/ integral Clips
- CAT. #2151.31** Lead – Replacement 1 ft (5 kV) Blue Jumper Lead
- CAT. #2151.32** Lead – Set of (3), 25 ft (5 kV) w/ integral Clips
- CAT. #2151.33** Lead – Set of (3), 45 ft (5 kV) w/ integral clips
- CAT. #2960.21** Battery – Rechargeable 9.6 V
- CAT. #5000.60** Adapter RS-232 to USB 2.0 (5060)
- CAT. #5000.14** US 115 V Power Cord
- USB DRIVE** Supplied with DataView® software and user manual (5060)



CAT. #	DESCRIPTION
2130.20	Megohmmeter Model 5050 (Digital, Analog Bargraph, Backlight, Alarm, Timer, (500, 1000, 2500, 5000) V, Auto DAR/PI/DD)
2130.21	Megohmmeter Model 5060 (Digital, Analog Bargraph, Backlight, Alarm, Timer, (500, 1000, 2500, 5000) V, Auto DAR/PI/DD, USB w/DataView® Software)



MEGOHMMETERS

SELECTION CHART

AEMC® MODEL NUMBER	CAT. #	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 V _{AC}	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 V _{AC/DC}	(6) AA Alkaline Batteries	Digital / Analog	No
6527	2126.53	250 V 500 V 1000 V	1 kΩ to 4 GΩ	400 kΩ	400 Ω	–	600 V _{AC} 1000 V _{DC}	(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 V _{AC} 700 V _{AC/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, 100) Ω	0.1 n to 10 μF	700 V _{AC/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, 100) Ω	–	700 V _{AC/DC}	(6) AA Alkaline Batteries	Digital / Analog	Yes
6536	2155.56	10 V 100 V	2 kΩ to 20 GΩ	1000 kΩ	(10, 100) Ω	–	700 V _{AC/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 V _{AC/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 V _{AC} 4000 V _{DC}	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 V _{AC} 4000 V _{DC}	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 V _{AC} 4000 V _{DC}	Rechargeable NiMH Battery	Digital / Analog	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 V _{AC} 4000 V _{DC}	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 V _{AC} 4000 V _{DC}	Rechargeable NiMH Battery	Digital / Analog	Yes

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