

MODELS 1050 & 1060

Test insulation on cables, transformers, motors and wiring installations

SPECIFICATIONS

MODELS		1050	1060
INSULATION TESTS			
Test Voltage	50V 100V 250V 500V 1000V	2kΩ to 200GΩ 4kΩ to 400GΩ 10kΩ to 1000GΩ (1TΩ) 20kΩ to 2000GΩ (2TΩ) 40kΩ to 4000GΩ (4TΩ)	
Accuracy	2kΩ to 40GΩ 40GΩ to 4TΩ	±5% of Reading ±3cts ±15% of Reading ±10cts	
Voltage Test/Safety Check		0 to 1000Vac/dc	
Voltage Warning Indicator		>25V	
Test Inhibition		Yes >25V	
Smooth Function		Yes	
RESISTANCE TESTS			
Measurement Range		0.01Ω to 400kΩ	
Test Voltage		12.4Vdc max	
Test Current		<6mAac	
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)



Model 1060 only

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, water-resistant field case with detachable lead/accessory pouch
- EN 61010-1, 600V CAT III, EN 61557

PRODUCT INCLUDES

MODEL 1050 Catalog #2130.01

Meter, detachable accessory pouch, two 5 ft. color-coded (red/blue) leads, one black shield lead, three color-coded (red/blue/black) alligator clips, one black test probe, spare fuses, eight C cell batteries and USB stick with user manual.



MODEL 1060 Catalog #2130.03

Meter, detachable accessory pouch, two 5 ft. color-coded (red/blue) leads, one black shield lead, three color-coded (red/blue/black) alligator clips, one black test probe, RS-232 DB9 F/F 6 ft. null model cable, RS-232 to USB adapter, US 115V power cord, rechargeable NiMH battery, spare fuses, and USB stick with DataView® software and user manual.

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, DataView® software, 128kB Memory)

Accessories/Replacement - available on website store from www.aemc.com

2155.75 Megohmmeter Test Probe (600V CAT IV)



Technical Assistance (800) 343-1391

www.aemc.com 95

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
6501	2126.51	500V	0.5 to 200M Ω	0 to 500k Ω	0 to 100 Ω	—	0 to 600Vac	Hand-cranked	Analog	No
6503	2126.52	250V 500V 1000V	1 to 500M Ω 1 to 500M Ω 10 to 5000M Ω	—	—	—	0 to 600Vac	Hand-cranked	Analog	No
6527	2126.53	250V 500V 1000V	1k Ω to 4G Ω 1k Ω to 4G Ω 1k Ω to 4G Ω	0.0 to 400.0k Ω	0.00 to 400 Ω	—	0 to 600Vac 0 to 1000Vdc	6 x AA Alkaline Batteries	Digital/ Analog	No
1026	2117.72	250V 500V 1000V	1k Ω to 4G Ω	4k Ω	0 to 40 Ω	—	0 to 600Vac/dc	8 x AA Alkaline Batteries	Digital/ Analog	No
6522	2155.51	250V 500V 1000V	50k Ω to 40G Ω	—	10 Ω	—	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	No
6524	2155.52	50V 100V 250V 500V 1000V	10k Ω to 200G Ω	1000k Ω	10 Ω , 100 Ω	—	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	No
6526	2155.53	50V 100V 250V 500V 1000V	10k Ω to 200G Ω	1000k Ω	10 Ω , 100 Ω	0.1n to 10 μ F	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	Yes
6532	2155.54	50V 100V	10k Ω to 20G Ω	1000k Ω	10 Ω , 100 Ω	0.1n to 10 μ F	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	Yes
6534	2155.55	10V 25V 100V 250V 500V	2k Ω to 50G Ω	1000k Ω	10 Ω , 100 Ω	—	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	Yes
6536	2155.56	10V 100V	2k Ω to 20G Ω	1000k Ω	10 Ω , 100 Ω	—	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	No
6536 ESD Floor Kit	2155.57									
1050	2130.01	50V 100V 250V 500V 1000V	2k Ω to 200G Ω 4k Ω to 400G Ω 10k Ω to 1T Ω 20k Ω to 2T Ω 40k Ω to 4T Ω	0.01 to 400k Ω	0.01 to 39.99 Ω	0.005 to 4.999 μ F	0 to 1000Vac/dc	8 x 1.5V C Cell Batteries	Digital/ Analog	No
1060	2130.03	50V 100V 250V 500V 1000V	2k Ω to 200G Ω 4k Ω to 400G Ω 10k Ω to 1T Ω 20k Ω to 2T Ω 40k Ω to 4T Ω	0.01 to 400k Ω	0.01 to 39.99 Ω	0.005 to 4.999 μ F	0 to 1000Vac/dc	Rechargeable NiMH Battery	Digital/ Analog	Yes
6505	2130.18	500V 1000V 2500V 5000V	30k Ω to 2000G Ω 100k Ω to 4000G Ω 100k Ω to 10,000G Ω 300k Ω to 10,000G Ω	—	—	0.005 to 49.99 μ F	2500Vac 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	No
5050	2130.20	500V 1000V 2500V 5000V	30k Ω to 2T Ω 100k Ω to 4T Ω 100k Ω to 10T Ω 300k Ω to 10T Ω	—	—	0 to 49.99 μ F	2500Vac 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	No
5060	2130.21	500V 1000V 2500V 5000V	30k Ω to 2T Ω 100k Ω to 4T Ω 100k Ω to 10T Ω 300k Ω to 10T Ω	—	—	0 to 49.99 μ F	2500Vac 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	Yes
5070	2130.30	500V 1000V 2500V 5000V	30k Ω to 2T Ω 100k Ω to 4T Ω 100k Ω to 10T Ω 300k Ω to 10T Ω	—	—	0 to 49.99 μ F	2500Vac 4000Vdc	Rechargeable NiMH Battery	Graphic/ Digital	Yes
6550	2130.31	500V 1000V 2500V 5000V 10,000V	10k Ω to 2000G Ω 10k Ω to 4000G Ω 10k Ω to 10,000G Ω 10k Ω to 15,000G Ω 10k Ω to 25,000G Ω	—	—	0.001 to 9.999 μ F 10.00 to 19.99 μ F	0 to 2500Vac 0 to 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	Yes
6555	2130.32	500V 1000V 2500V 5000V 10,000V 15,000V	10k Ω to 2000G Ω 10k Ω to 4000G Ω 10k Ω to 10,000G Ω 10k Ω to 15,000G Ω 10k Ω to 25,000G Ω 10k Ω to 30,000G Ω	—	—	0.001 to 9.999 μ F 10.00 to 19.99 μ F	0 to 2500Vac 0 to 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	Yes