

MEGOHMMETERS

1000V DIGITAL/ANALOG

MODELS 1050 & 1060

Test insulation on cables, transformers, motors and wiring installations

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 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	<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)
SAFETY		
Safety Rating/ IP Protection	EN 61010-1, 600V CAT III, EN 61557 / IP54	



1050

1060



DataView®

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

PRODUCT INCLUDES

1050

Detachable accessory pouch, (2) 5 ft color-coded (red/blue) leads, (1) black shield lead, (3) color-coded (red/blue/black) alligator clips, (1) black test probe, spare fuses, (8) C cell batteries, a USB stick with a user manual.

1060

Detachable accessory pouch, (2) 5 ft color-coded (red/blue) leads, (1) black shield lead, (3) color-coded (red/blue/black) alligator clips, (1) 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 a USB stick with DataView® software and a user manual.



SHOWN: 1060



ACCESSORIES

CATALOG #2155.75

Megohmmeter Test Probe (600V CAT IV)



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)



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 200MΩ	500kΩ	100Ω	—	600Vac	Hand-cranked	Analog	No
6503	2126.52	250V 500V 1000V	1 to 500MΩ 1 to 500MΩ 10 to 5000MΩ	—	—	—	600Vac	Hand-cranked	Analog	No
6527	2126.53	250V 500V 1000V	1kΩ to 4GΩ 1kΩ to 4GΩ 1kΩ to 4GΩ	400kΩ	400Ω	—	600Vac 1000Vdc	6 x AA Alkaline Batteries	Digital/ Analog	No
6522	2155.51	250V 500V 1000V	50kΩ to 10GΩ 100kΩ to 20GΩ 200kΩ to 40GΩ	—	10Ω	—	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	No
6528	2156.51	250V 500V 1000V	0.050MΩ to 4200MΩ 0.100MΩ to 4200MΩ 0.20MΩ to 11GΩ	0 to 420kΩ	0 to 40Ω (200mA test current ≤ 2Ω)	—	700Vac 700Vac/dc	6 x AA Alkaline Batteries	Digital	No
6529	2156.52	50V 100V 250V 500V 1000V	0.010MΩ to 420MΩ 0.020MΩ to 420MΩ 0.050MΩ to 420MΩ 0.100MΩ to 420MΩ 0.20MΩ to 11GΩ	0 to 420kΩ	0 to 40Ω (200mA test current ≤ 2Ω)	—	700Vac 700Vac/dc	6 x AA Alkaline Batteries	Digital	No
6524	2155.52	50V 100V 250V 500V 1000V	10kΩ to 10GΩ 20kΩ to 20GΩ 50kΩ to 50GΩ 100kΩ to 100GΩ 200kΩ 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 10GΩ 20kΩ to 20GΩ 50kΩ to 50GΩ 100kΩ to 100GΩ 200kΩ to 200GΩ	1000kΩ	10Ω, 100Ω	0.1n to 10μF	700Vac/dc	6 x AA Alkaline Batteries	Digital/ Analog	Yes
6532	2155.54	50V 100V	10kΩ to 10GΩ 20kΩ 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 1GΩ 5kΩ to 2GΩ 10kΩ to 10GΩ 50kΩ to 25GΩ 100kΩ 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	(variable in 1V steps)								
1050	2130.01	50V 100V 250V 500V 1000V	2kΩ to 200GΩ 4kΩ to 400GΩ 10kΩ to 1TΩ 20kΩ to 2TΩ 40kΩ to 4TΩ	400kΩ	40Ω	0.005 to 4.999μF	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	400kΩ	40Ω	0.005 to 4.999μF	1000Vac/dc	Rechargeable NiMH Battery	Digital/ Analog	Yes
6505	2130.18	500V 1000V 2500V 5000V	10kΩ to 2TΩ 10kΩ to 4TΩ 10kΩ to 10TΩ 10kΩ to 10TΩ	—	—	0.001 to 49.99μF	2500Vac 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	No
5050	2130.20	500V 1000V 2500V 5000V	10kΩ to 2TΩ 10kΩ to 4TΩ 10kΩ to 10TΩ 10kΩ to 10TΩ	—	—	0.001 to 49.99μF	2500Vac 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	No
5060	2130.21	500V 1000V 2500V 5000V	10kΩ to 2TΩ 10kΩ to 4TΩ 10kΩ to 10TΩ 10kΩ to 10TΩ	—	—	0.001 to 49.99μF	2500Vac 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	Yes
5070	2130.30	500V 1000V 2500V 5000V	10kΩ to 2TΩ 10kΩ to 4TΩ 10kΩ to 10TΩ 10kΩ to 10TΩ	—	—	0.001 to 49.99μF	2500Vac 4000Vdc	Rechargeable NiMH Battery	Graphic/ Digital	Yes
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 19.99μF	2500Vac 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 19.99μF	2500Vac 4000Vdc	Rechargeable NiMH Battery	Digital/ Analog	Yes