

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 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/bc
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)

PRODUCT INCLUDES

One red, one blue test lead, one black shielded lead, one each black, red and blue alligator clips, one black test probe and user manual. Model 1060 also includes RS-232 to USB adapter, DB9 F/F 6ft null modem cable, rechargeable battery, US 115V power cord, and USB drive supplied with DataView® software and user manual.



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

Model 1060 includes the following additional features:

- AC rechargeable NiMH battery pack
- RS-232 interface with USB 2.0 cable for DataView® easy report printing
- 128kB memory to store measurements in specific files
- Remote operation of megohmmeter through PC
- Includes DataView® software for data storage, real-time display, analysis and report generation

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, USB Sitck w/ DataView® software, 128kB Memory)
2155.75	Megohmmeter Test Probe (600V CAT IV)



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