

# MEGOHMMETERS

## 1000 V DIGITAL/ANALOG



### MODEL 1060

Test insulation on cables, transformers, motors and wiring installations



### FEATURES

- True Megohmmeter®
- Test voltage selections of (50, 100, 250, 500 and 1000) V
- Insulation measurements to 4000 GΩ (4 TΩ)
- 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 > 25 V)
- Automatic discharge and display of discharge voltage
- Large dual display with time, voltage and measurement
- Bright blue electroluminescent backlight
- 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

### ACCESSORIES

**CAT. #2155.75**  
Remote test probe  
(600 V CAT IV)



MODEL	1060	
<b>INSULATION TESTS</b>		
Test Voltage	50 V 100 V 250 V 500 V 1000 V	2 kΩ to 200 GΩ 4 kΩ to 400 GΩ 10 kΩ to 1000 GΩ (1 TΩ) 20 kΩ to 2000 GΩ (2 TΩ) 40 kΩ to 4000 GΩ (4 TΩ)
Accuracy	2 kΩ to 40 GΩ 40 GΩ to 4 TΩ	± 5 % of Reading ± 3 cts ± 15 % of Reading ± 10 cts
Voltage Test / Safety Check		(0 to 1000) V <sub>AC/DC</sub>
Voltage Warning Indicator		> 25 V
Test Inhibition		Yes > 25 V
Smooth Function		Yes
<b>RESISTANCE TESTS</b>		
Measurement Range		0.01 Ω to 400 kΩ
Test Voltage		12.4 V <sub>DC</sub> max
Test Current		< 6 mA <sub>DC</sub>
Accuracy		± 3 % of Reading ± 3 cts
<b>CONTINUITY TESTS</b>		
Measurement Range		(0.01 to 39.99) Ω
Test Current		≥ 200 mA from (0.01 to 20.00) Ω
Accuracy		± 3 % of Reading ± 4 cts
<b>COMMUNICATION</b>		
Memory for Test Results		128 kB memory with RS-232 to USB adapter (included)
PC Software / Report Generation		DataView® (included)
<b>ELECTRICAL</b>		
Power Supply		9.6 V NiMH Battery Pack (included) (85 to 256) V (50 / 60) Hz
<b>SAFETY</b>		
Safety Rating		EN 61010-1, 600 V CAT III, EN 61557

Consult factory for NIST Calibration prices.

### PRODUCT INCLUDES

Detachable accessory pouch, (2) 5 ft color-coded (red/blue) leads, (1) black shielded lead, (3) color-coded (red/black/blue) alligator clips, (1) black test probe, (1) RS-232 DB9 F/F 6 ft null model cable, (1) RS-232 to USB adapter, US 115 V power cord, rechargeable NiMH battery, spare fuses, and a USB drive with DataView® software and user manual.



CAT. #	DESCRIPTION
2130.03	Megohmmeter Model 1060 (Digital, with Analog Bargraph, Backlight, Alarm, Timer, (50, 100, 250, 500, 1000) V, Auto DAR/PI, Resistance, Continuity, DataView® software, 128 kB Memory)



# 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 <sub>AC</sub>	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 <sub>AC/DC</sub>	(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 <sub>AC</sub> 1000 V <sub>DC</sub>	(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 <sub>AC</sub> 700 V <sub>AC/DC</sub>	(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 <sub>AC/DC</sub>	(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 <sub>AC/DC</sub>	(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 <sub>AC/DC</sub>	(6) AA Alkaline Batteries	Digital / Analog	No
6536 ESD Floor Kit	2155.57	10 V 100 V (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 <sub>AC/DC</sub>	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 <sub>AC</sub> 4000 V <sub>DC</sub>	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 <sub>AC</sub> 4000 V <sub>DC</sub>	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 <sub>AC</sub> 4000 V <sub>DC</sub>	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 <sub>AC</sub> 4000 V <sub>DC</sub>	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 <sub>AC</sub> 4000 V <sub>DC</sub>	Rechargeable NiMH Battery	Digital / Analog	Yes

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