



## Megohmmeter Model 1060

Cat. #2130.03

Digital, Analog Bargraph, Alarm, Timer, (50, 100, 250, 500, and 1000) V, Auto DAR/PI, Resistance, Continuity, RS-232 w/DataView® Software, 128 kB Memory

Measures insulation resistance to 4000 GΩ (4 TΩ). Test results include DAR, PI, capacitance, voltage measurement, and duration of test. Memory function enables storage of test results. RS-232 interface allows connection to a computer running DataView® for configuring the instrument and downloading test results and generating reports.

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AC/DC Voltage Measurement	
Range	(1 to 1000) V
Accuracy	±(1 % R + 3 V)
Resolution	(1 to 99.9) V: 0.1 V (100 to 1000) V: 1 V
Frequency Range	DC and (16 to 65) Hz
Input Impedance	750 kΩ approx
Insulation Measurement	
Test Voltage / Resistance Range	50 V: 2 kΩ to 200 GΩ 100 V: 4 kΩ to 400 GΩ 250 V: 10 kΩ to 1 TΩ 500 V: 20 kΩ to 2 TΩ 1000 V: 40 kΩ to 4 TΩ
Measurement Accuracy	2 kΩ to 40 GΩ: ±(5 % R + 3 ct) 40.0 GΩ (4 TΩ): ±(15 % R + 10 ct)
Auto Discharge	Discharge time < 2 s/μF from Vtest to 25 V
Live Circuit Indicator	Inhibit test if terminal voltage > 25 V prior to initialization of test
Resistance Measurement	
Range	0.01 Ω to 399.9 kΩ
Accuracy	± (3 % R + 3 ct)
Open Circuit Voltage	Approximately 12.4 V DC
Short Circuit Current	<6 mA DC

For more details, download the datasheet or user manual at [www.aemc.com](http://www.aemc.com)

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Continuity Measurement	
Range	(0.01 to 39.99) $\Omega$
Accuracy	$\pm (3 \% R + 4\text{ct})$ with lead compensation
Open Circuit Voltage	12.4 V DC
Short Circuit Current	$\geq 200$ mA DC from (0.01 to 20.00) $\Omega$
General Features	
Programmable Alarm	Yes
DAR – PI	Yes
Ramp Mode	No
Step Mode	No
Capacitance Measurement	0.05 nF to 4.999 $\mu\text{F}$ , Accuracy: $\pm (10 \% R + 1 \text{ ct})$
Memory	128 kB Memory / Stores over 1500 test results
Communication	Serial port RS-232 with USB adapter (included)
Software	DataView Software (included)
Power Supply	Rechargeable NIMH battery pack; external (85 to 256) V, 50/60 Hz
Battery Life	$\geq 5000$ IR tests at 1000 V into 1 M $\Omega$ with a duty cycle of 5 s on and 20 s off; $\geq 4000$ R tests of 1 $\Omega$ with a duty cycle of 5 s on and 20 s off
Charging Time	4.5 hours approximately
Dimensions	(9.45 x 7.28 x 4.33) in (240 x 185 x 110) mm
Weight	7.5 lbs (3.4 kg)
Altitude Operating	2000 m
Operating Temperature	(14 to 131)°F (-10 to 55) °C $\leq 80 \% \text{ RH}$
Storage Temperature	(-40 to 158) °F (-40 to 70) °C $\leq 90 \% \text{ RH}$
IP Rating	IP 54
Safety Compliance	EN 61010-1, EN 61557, 600 V CAT III, Pollution Degree 2, CE

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