



Megohmmeter Model 6526

Cat. #2155.53

Digital w/Analog Bargraph, Alarm, (50, 100, 250, 500, and 1000) V, Ohm, Continuity, V, k Ω , Cap, Mem, Bluetooth w/DataView[®] Software

Multi-function tester for measuring insulation resistance up to 200 G Ω , with test voltages of 5(50, 100, 250, 500, and 1000) V. Also measures resistance, capacitance, continuity, frequency, and voltage. Includes memory for storing up to 1300 measurements. Bluetooth allows connection to a computer running DataView[®]. Complies with International Insulation Testing Standards including IEC/EN 61557, and is rated 600 V CAT IV.


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AC/DC Voltage Measurement	
Range	(0.3 to 700) V
Accuracy	$\pm(3 \% R + 2 \text{ ct})$
Resolution	(1 to 99.9) V: 0.1 V (100 to 999) V: 1 V (1000 to 4000) V: 2V
Frequency Range	DC and (15.3 to 800) Hz
Input Impedance	400 k Ω
Insulation Measurement	
Test Voltage / Resistance Range	50 V: 10 k Ω to 10 G Ω 100 V: 20 k Ω to 20 G Ω 250 V: 50 k Ω to 50 G Ω 500 V: 100 k Ω to 100 G Ω 1000 V: 200 k Ω to 200 G Ω
Measurement Accuracy	50 V: $\pm(3 \% R + 2 \text{ ct}) + 2 \% / \text{G}\Omega$ 100 V: $\pm(3 \% R + 2 \text{ ct}) + 1 \% / \text{G}\Omega$ 250 V: $\pm(3 \% R + 2 \text{ ct}) + 0.4 \% / \text{G}\Omega$ 500 V: $\pm(3 \% R + 2 \text{ ct}) + 0.2 \% / \text{G}\Omega$ 1000 V: $\pm(3 \% R + 2 \text{ ct}) + 0.1 \% / \text{G}\Omega$
Auto Discharge	Discharge time < 2s/ μF From V_{test} to 25 V
Live Circuit Indicator	Inhibit test if terminal voltage > 25 V prior to initialization of test
Continuity Measurement	

For more details, download the datasheet or user manual at www.aemc.com

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Ranges	0.00 to 10 Ω (200 mA test current) 0.0 to 100 Ω (20 mA test current)
Accuracy	\pm (2% R + 2 ct) with lead compensation
Open Voltage	\geq 6 V
Resistance Measurement	
Range	1 Ω to 1000 k Ω
Accuracy	\pm (3% R + 2 ct)
Open Voltage	Approximately 4.5 V
General Features	
Programmable Alarm	Yes
DAR – PI	Yes
Timer	0:00 to 39:59 min, with 1 s resolution
Frequency Measurement	(15.3 to 800) Hz
Capacitance Measurement	0.1 nF to 10 μ F
Display	Backlit digital with bargraph
Memory	1300 tests
Communication	Bluetooth 2.1 Class II
Software	DataView (included)
Power Supply	(6) AA batteries (NEDA 15 A or IEC LR6)
Battery Life	\geq 1500 IR tests at 1000 V into 1 M Ω with a duty cycle of 5 s on and 1 min off. \geq 3000 R tests of 1 Ω with a duty cycle of 5 s on and 1 min off.
Dimensions	(8.31 x 4.25 x 2.36) in (211 x 108 x 60) mm
Weight	1.87 lb (850 g)
Altitude Operating	2000 m
Operating Temperature	(-4 to 131) $^{\circ}$ F (-20 $^{\circ}$ to +55) $^{\circ}$ C; (20 to 80) % RH
Storage Temperature	(-22 to 176) $^{\circ}$ F (-30 to 80) $^{\circ}$ C; (10 to 90) % RH, without batteries
IP Rating	IP 54
Safety Compliance	IEC/EN 61010-1, 600 V CAT IV, IEC 61557 

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