

# MEGOHMMETERS

## 1000 V DIGITAL

### MODEL 6527

Insulation tester with DMM functions specially designed for testing wiring, small motors and other equipment

### SPECIFICATIONS

MODEL	6527			
Range	4 MΩ	40 MΩ	400 MΩ	4000 MΩ (4G Ω)
<b>INSULATION TESTS (250 V)</b>				
Resolution	0.001 MΩ	0.01 MΩ	0.1 MΩ	1 MΩ
Accuracy	±2 % of Reading ±10 cts		±3 % of Reading ±5 cts	±4 % of Reading ±5 cts
Test Current	1 mA test current into a 250 kΩ load			
<b>INSULATION TESTS (500 V)</b>				
Resolution	0.001 MΩ	0.01 MΩ	0.1 MΩ	1 MΩ
Accuracy	±2 % of Reading ±10 cts		±2 % of Reading ±5 cts	±4 % of Reading ±5 cts
Test Current	1 mA test current into a 500 kΩ load			
<b>INSULATION TESTS (1000 V)</b>				
Resolution	0.001 MΩ	0.01 MΩ	0.1 MΩ	1 MΩ
Accuracy	±3 % of Reading ±10 cts	±2 % of Reading ±10 cts	±2 % of Reading ±5 cts	±4 % of Reading ±5 cts
Test Current	1 mA test current into a 1 MΩ load			
<b>VOLTMETER RANGES (250 V, 500 V, &amp; 1000 V)</b>				
V AC/DC	600 V		1000 V	
Resolution	1 V			
Accuracy	DC	±0.8 % of Reading ±3 cts		
	AC	±1.2 % of Reading ±10 cts		
Input Impedance	DC	10 MΩ		
	AC	10 MΩ (40/400) Hz		
<b>RESISTANCE TESTS - OHMMETER</b>				
Range	(0 to 400) kΩ			
Resolution	0.1 kΩ			
Accuracy	±1.2 % of Reading ±3 cts			
<b>CONTINUITY TESTS</b>				
Range	(0 to 400) Ω			
Resolution	0.01 Ω	0.1 Ω		
Accuracy	1.2 % ±3 cts			
Test Current	> 200 mA (0.2/2) Ω			
Test Lead Compensation	Yes: Dedicated push-button			
Beeper	Yes: < 35 Ω ±3 Ω			
<b>ELECTRICAL</b>				
Power Supply	(6) 1.5 V AA batteries – Alkaline recommended (included)			
<b>SAFETY</b>				
Safety Rating	EN 61557, 600V Cat. IV			
IP Protection	IP51			

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### PRODUCT INCLUDES

Soft carrying case, set of (2) 5 ft color-coded test leads with alligator clips, (1) black test probe and user manual.



### FEATURES

- True Megohmmeter®
- Insulation test voltage selections of (250, 500, and 1000) V
- Measure insulation to 4000 MΩ (4 GΩ)
- TEST LOCK feature for time sensitive measurements up to 15 minutes
- Auto discharge after insulation test
- AC/DC voltmeter to 600 Vac/ 1000 Vdc
- Ohmmeter to 400 kΩ
- Continuity meter with > 200 mA test current
- Test lead resistance compensation for accurate low resistance measurements
- Auto HOLD function to “freeze” readings
- Large and bright dual display with blue backlight
- Auto Power OFF feature
- Ergonomic over-molded case with back-stand

CATALOG NO.	DESCRIPTION
2126.53	Megohmmeter Model 6527 (Digital 250 V, 500 V, 1000 V, Continuity, 400 kΩ, V)



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# 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
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 1 kΩ to 4 GΩ 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 Ω, 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 Ω, 100 Ω	-	700 V <sub>AC/DC</sub>	(6) AA Alkaline Batteries	Digital/ Analog	Yes
6536	2155.56	10 V	10 V	1000 kΩ	10 Ω, 100 Ω	-	700 V <sub>AC/DC</sub>	(6) AA Alkaline Batteries	Digital/ Analog	No
6536 ESD Floor Kit	2155.57	100 V (variable in 1 V steps)	2 kΩ to 20 GΩ							
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
5070	2130.30	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	Graphic/ Digital	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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