

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)
INSULATION TESTS (250 V)				
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			
INSULATION TESTS (500 V)				
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			
INSULATION TESTS (1000 V)				
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			
VOLTMETER RANGES (250 V, 500 V, & 1000 V)				
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		
RESISTANCE TESTS - OHMMETER				
Range	(0 to 400) kΩ			
Resolution	0.1 kΩ			
Accuracy	±1.2 % of Reading ±3 cts			
CONTINUITY TESTS				
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			
ELECTRICAL				
Power Supply	(6) 1.5 V AA batteries – Alkaline recommended (included)			
SAFETY				
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)



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 _{AC}	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 _{AC/DC}	(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 _{AC} 1000 V _{DC}	(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 _{AC} 700 V _{AC/DC}	(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 _{AC/DC}	(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 _{AC/DC}	(6) AA Alkaline Batteries	Digital/ Analog	Yes
6536	2155.56	10 V	2 kΩ to 20 GΩ	1000 kΩ	10 Ω, 100 Ω	-	700 V _{AC/DC}	(6) AA Alkaline Batteries	Digital/ Analog	No
6536 ESD Floor Kit	2155.57	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 _{AC/DC}	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 _{AC} 4000 V _{DC}	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 _{AC} 4000 V _{DC}	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 _{AC} 4000 V _{DC}	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 _{AC} 4000 V _{DC}	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 _{AC} 4000 V _{DC}	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 _{AC} 4000 V _{DC}	Rechargeable NiMH Battery	Digital/ Analog	Yes

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