

MEGOHMMETERS


1000V DIGITAL & MULTI-FUNCTION HANDHELD

MODEL 6528 & 6529

Insulation tester ideal for maintenance and repair operations on electrical equipment such as motors, cables, etc.

SPECIFICATIONS

US Design Patent US D890,617 S

MODELS	6528	6529
AC/DC VOLTAGE MEASUREMENT		
Range	700 VAC, 700VAC+DC	
Accuracy	DC AC+DC $\pm(1\%R + 1ct)$ $\pm(1.2\%R + 1ct)$	
Resolution	1V	
Frequency Range	DC & 30 to 440 Hz	
Input Impedance	25M Ω	
INSULATION MEASUREMENT		
Test Voltage/Resistance Range		
50V	—	0.010M Ω to 420.0M Ω
100V	—	0.020M Ω to 420.0M Ω
250V	0.050M Ω to 4200M Ω	0.050M Ω to 4200M Ω
500V	0.100M Ω to 4200M Ω	0.100M Ω to 4200M Ω
1000V	0.20M Ω to 11.00G Ω	0.20M Ω to 11.00G Ω
Measurement Accuracy	40 Ω /40M Ω /400M Ω 4.2G Ω 11G Ω $\pm(1.5\%R + 10ct)$ $\pm(4\%R + 10ct)$ $\pm(10\%R + 10ct)$ (1000V range)	
CONTINUITY MEASUREMENT		
Range	0 to 40 Ω (200mA test current $\leq 2\Omega$)	
Accuracy	1.2%R +3ct	
Resolution Max	0.01 Ω	
Leads Compensation	Up to 5 Ω	
Threshold	Audible signal triggered, Selectable ≤ 1 or 2 Ω	
RESISTANCE MEASUREMENT		
Range	0 to 420k Ω (Auto ranging)	
Accuracy	$\pm(1.2 R + 3ct)$	
Resolution Max	0.1 Ω	
DMR Mode	Compares successive measurements to a reference value with alarm indication and red backlit display if deviation changes by the programmed %. The difference between the new reading and the reference measurement, along with the % deviation are displayed.	
GENERAL		
Time Test	10 seconds to 39.59 mins selectable	
Display	LCD with backlight	
Power Supply	(6) AA alkaline batteries (NEDA 15A or IEC LR6)	
Battery Life (5s ON, 25s OFF)	>2000 measurement in M Ω , >300h in V AC/DC, >6000 measurement in Continuity Test	
Dimensions	8.54 x 3.54 x 2.44" (217 x 90 x 62mm)	
Weight	1.68 lbs (760g)	
Operating Temperature	14° to 122°F (-10° to +50°C), 90% RH	
SAFETY		
Safety Rating	IEC / EN 61010-1, 600V CAT IV, CE mark 	
Ingress Protection	IP 40 (with leads connected)	

PRODUCTS INCLUDE

Includes soft carrying case, set of (2) 5 ft color-coded (red/black) silicone leads and alligator clips, (2) color-coded (red/black) test probes (Rated 1000V CAT IV, UL V2), (6) 1.5V AA batteries and a user manual.

CATALOG NO.	DESCRIPTION
2126.54	Megohmmeter Model 6528 (Digital, 250V, 500V, 1kV, 420k-Ohm, V, Continuity, Alarm & Timer)
2126.55	Megohmmeter Model 6529 (Digital, 50V, 100V, 250V, 500V, 1kV, 420k-Ohm, Continuity, Alarm, Timer & PI/DAR)



6528

6529



FEATURES

- Selectable test voltages 250, 500 and 1000V (model 6528)
- Selectable test voltages 50, 100, 250, 500 and 1000V (model 6529)
- Basic DMM functions; Volts, Continuity, Resistance
- DAR and PI ratio test functions (model 6529)
- Dual line display to view the insulation value and real-time test voltage simultaneously in an easy-to-read format
- DMR mode - relative resistance comparison to a reference value
- 2-color backlighting easily shows alarm conditions
- Shockproof sheath for excellent handling
- Automatic power-off function to optimize the battery life
- Programmable alarm thresholds

ACCESSORIES/REPLACEMENTS

Catalog #2138.54

Continuity probe

Catalog #2119.02

Soft carrying pouch

Catalog #2971.04

Fuse – Set of (2) FF, 200mA, 1000V, 10kA, 6x32mm

Catalog #5000.94

Lead – Set of (2) 5 ft color-coded (red/black) silicone leads with 4mm straight/ right angle banana plugs (Rated 1000V CAT IV, UL)

Catalog #5000.97/#5000.98

Black/Red Test Probe (1000V CAT IV, 15A, UL V2)
Cat #5000.99/#5100.00
Clip – Safety Alligator – Black/Red (1000V CAT IV, 15A, UL V2)

