

# MEGOHMMETERS

## 1000V DIGITAL & MULTI-FUNCTION HANDHELD


**NEW**

### 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
<b>AC/DC VOLTAGE MEASUREMENT</b>		
Range	700 VAC, 700VAC+DC	
Accuracy	$\pm(1\%R + 1ct)$ $\pm(1.2\%R + 1ct)$	
Resolution	1V	
Frequency Range	DC & 30 to 440 Hz	
Input Impedance	25M $\Omega$	
<b>INSULATION MEASUREMENT</b>		
Test Voltage/Resistance Range		
50V	–	0.010M $\Omega$ to 420.0M $\Omega$
100V	–	0.020M $\Omega$ to 420.0M $\Omega$
250V	0.050M $\Omega$ to 4200M $\Omega$	0.050M $\Omega$ to 4200M $\Omega$
500V	0.100M $\Omega$ to 4200M $\Omega$	0.100M $\Omega$ to 4200M $\Omega$
1000V	0.20M $\Omega$ to 11.00G $\Omega$	0.20M $\Omega$ to 11.00G $\Omega$
Measurement Accuracy	$\pm(1.5\%R + 10ct)$ $\pm(4\%R + 10ct)$ $\pm(10\%R + 10ct)$ (1000V range)	
40 $\Omega$ /40M $\Omega$ /400M $\Omega$		
4.2G $\Omega$		
11G $\Omega$		
<b>CONTINUITY MEASUREMENT</b>		
Range	0 to 40 $\Omega$ (200mA test current $\leq 2\Omega$ )	
Accuracy	1.2%R + 3ct	
Resolution Max	0.01 $\Omega$	
Leads Compensation	Up to 5 $\Omega$	
Threshold	Audible signal triggered, Selectable $\leq 1$ or 2 $\Omega$	
<b>RESISTANCE MEASUREMENT</b>		
Range	0 to 420k $\Omega$ (Auto ranging)	
Accuracy	$\pm(1.2 R + 3ct)$	
Resolution Max	0.1 $\Omega$	
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.	
<b>GENERAL</b>		
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 $\Omega$ , >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	
<b>SAFETY</b>		
Safety Rating	IEC / EN 61010-1, 600V CAT IV, CE mark 	
Ingress Protection	IP 40 (with leads connected)	

### PRODUCTS INCLUDE

Consult factory for NIST Calibration prices

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.



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)



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)