

MEGOHMMETERS

1000V DIGITAL & MULTI-FUNCTION HANDHELD

NEW



6528


6529



MODEL 6528 & 6529

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

SPECIFICATIONS

MODELS		6528	6529
AC/DC VOLTAGE MEASUREMENT			
Range	700 VAC, 700V _{AC+DC}		
Accuracy	<div>DC AC+DC</div> $\pm(1\%R + 1ct)$ $\pm(1.2\%R + 1ct)$		
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	<div>40Ω/40MΩ/400MΩ 4.2GΩ 11GΩ</div> $\pm(1.5\%R + 10ct)$ $\pm(4\%R + 10ct)$ $\pm(10\%R + 10ct)$ (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		
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)		

PRODUCT INCLUDES

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

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 #2117.73

Replacement 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)

