



Megohmmeter Model 6529

Cat. #2126.55

Megohmmeter Model 6529 (Digital, 50V, 100V, 250V, 500V, 1kV, 420K-Ohm, V, Continuity, Alarm & Timer, PI/DAR)

Model 6529 is a low cost 1000V hand-held instrument that offers Multimeter functions as well as Megohmmeter functions. It is a portable measuring instrument with a digital display. It is powered by batteries. This instrument can check the safety of electrical insulation. For example, it can be used to test new insulation before it is powered up, check existing insulation in a power-off condition, or troubleshoot potential faulty insulation.


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AC/DC Voltage Measurement	
Range	700V _{AC} and 700V _{AC+DC}
Accuracy	DC: $\pm (1\% R + 1\text{ct})$ AC+DC: $\pm (1.2\% R + 1\text{ct})$
Resolution	1V
Frequency Range	DC & 30 to 440Hz
Input Impedance	25M Ω
Insulation Measurement	
Test Voltage / Resistance Range	50V: 0.010 M Ω to 420.0M Ω 100V: 0.020 M Ω to 420.0M Ω 250V: 0.050M Ω to 4200M Ω 500V: 0.100M Ω to 4200M Ω 1000V: 0.20M Ω to 11.00G Ω
Measurement Accuracy	4M Ω /40M Ω /400M Ω : $\pm (1.5\% R + 10\text{ct})$ 4.2G Ω : $\pm (4\% R + 10\text{ct})$ 11G Ω : $\pm (10\% R + 10\text{ct})$ (1000V range)
Continuity Measurement	
Ranges	0 to 40 Ω (200mA test current $\leq 2\Omega$)
Accuracy	1.2% R + 3ct
Resolution max	0.01 Ω

For more details, download the datasheet or user manual at www.aemc.com

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Leads compensation	Up to 5Ω
Threshold	Audible signal triggered Selectable ≤1 or 2Ω
Resistance Measurement	
Range	0 to 420kΩ (Auto ranging)
Accuracy	± (1.2%R + 3ct)
Resolution max	0.1Ω
General Features	
Time test	1 second to 39.59 minutes selectable
DAR - PI	Default: DAR 30-secs and 1mn and PI 1 and 10mn (User Adjustable)
Display	LCD with backlight
Power Supply	Six AA batteries (NEDA 15A or IEC LR6)
Battery Life 5s ON, 25s OFF	>2000 measurement in MΩ, >300h in V AC/DC, >6000 measurement in Continuity Test
Protection	Fast fuse 200mA 1000A 10kA (6.3 x 32mm)
Dimensions	8.54 x 3.54 x 2.44" (217 x 90 x 62mm)
Weight	1.68 lbs (760g)
Altitude Operating	2000m
Operating Temperature	14° to +122°F (-10° to +50°C), 90% RH
Storage Temperature	-40° to +140°F (-40° to +60°C)
IP Rating	IP 40 with leads connected
Safety Compliance	IEC/EN 61010-1, 600V CAT IV, 

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