



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

For more details, download the datasheet or user manual at [www.aemc.com](http://www.aemc.com)

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

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