



## Megohmmeter Model 6536


Cat. #2155.56

**Digital w/Analog Bargraph, Alarm, Variable 10V to 100V, Ohm, Continuity, V, k $\Omega$**

Multi-function tester for measuring insulation resistance up to 20G $\Omega$ , with variable test voltages (10 to 100V). Provides Timed Test Mode for testing up to 40 minutes. Also measures resistance, continuity, and voltage. Complies with International Insulation Testing Standards including IEC/EN 61557, and is rated 600V CAT IV.

AC/DC Voltage Measurement	
Range	0.3 to 700V
Accuracy	$\pm(3\% R + 2ct)$
Resolution	1 to 99.9V: 0.1V 100 to 999V: 1V 1000 to 4000V: 2V
Frequency Range	DC & 15.3 to 800Hz
Input Impedance	400k $\Omega$
Insulation Measurement	
Test Voltage / Resistance Range	Test Voltage: Variable 10 to 100V (1V steps) 10V: 2k $\Omega$ to 2G $\Omega$ 25V: (Vtest/5)k $\Omega$ to (Vtest/5) G $\Omega$ 100V: 20k $\Omega$ to 20G $\Omega$
Measurement Accuracy	$\pm(3\% R + 2ct) + 1\% V_{test}/1M\Omega$
Auto Discharge	Discharge time < 2s/ $\mu$ F From Vtest to 25V
Live Circuit Indicator	Inhibit test if terminal voltage > 25V prior to initialization of test
Continuity Measurement	
Ranges	0.00 to 10 $\Omega$ (200mA test current) 0.0 to 100 $\Omega$ (20mA test current)
Accuracy	$\pm (2\% R + 2ct)$ with lead compensation
Open Voltage	$\geq 6V$
Resistance Measurement	
Range	1 $\Omega$ to 1000k $\Omega$
Accuracy	$\pm (3\% R + 2ct)$
Open Voltage	Approximately 4.5V

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

General Features	
<b>Programmable Alarm</b>	Yes
<b>Timer</b>	0:00 to 39:59mn, with 1s resolution
<b>Display</b>	Backlit digital with bargraph
<b>Power Supply</b>	Six AA batteries (NEDA 15A or IEC LR6)
<b>Battery Life</b>	≥ 6000 IR tests at 100V into 100kΩ with a duty cycle of 5 seconds on and 1 min off. ≥ 3000 R tests of 1Ω with a duty cycle of 5 seconds on and 1min off.
<b>Dimensions</b>	8.31 x 4.25 x 2.36" (211 x 108 x 60mm)
<b>Weight</b>	1.87 lb (850g)
<b>Altitude Operating</b>	2000m
<b>Operating Temperature</b>	-4° to +131°F (-20° to +55°C) & 20 to 80% RH
<b>Storage Temperature</b>	-22° to +176°F (-30° to +80°C) & 10 to 90% RH, without batteries
<b>IP Rating</b>	IP 54
<b>Safety Compliance</b>	IEC/EN 61010-1, 600V CAT IV, IEC 61557 

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