



Megohmmeter Model 6536

Cat. #2155.56

Digital w/Analog Bargraph, Alarm, Variable 10V to 100V, Ohm, Continuity, V, kΩ

Multi-function tester for measuring insulation resistance up to 20GΩ, 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.


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AC/DC Voltage Measurement	
Range	0.3 to 700V
Accuracy	±(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	400kΩ
Insulation Measurement	
Test Voltage / Resistance Range	Test Voltage: Variable 10 to 100V (1V steps) 10V: 2kΩ to 2GΩ 25V: (Vtest/5)kΩ to (Vtest/5) GΩ 100V: 20kΩ to 20GΩ
Measurement Accuracy	2-999kΩ only: ±(4% + 20 ct) All other ranges: ±(3% + 2 ct)+(10%V) per 100MΩ
Auto Discharge	Discharge time < 2s/μF From Vtest to 25V
Live Circuit Indicator	Inhibit test if terminal voltage > 25V prior to initialization of test
Continuity Measurement	
Ranges	0.00 to 10Ω (200mA test current) 0.0 to 100Ω (20mA test current)
Accuracy	± (2% R + 2ct) with lead compensation
Open Voltage	≥ 6V
Resistance Measurement	

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

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Range	1Ω to 1000kΩ
Accuracy	± (3% R + 2ct)
Open Voltage	Approximately 4.5V
General Features	
Programmable Alarm	Yes
Timer	0:00 to 39:59mn, with 1s resolution
Display	Backlit digital with bargraph
Power Supply	Six AA batteries (NEDA 15A or IEC LR6)
Battery Life	≥ 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.
Dimensions	8.31 x 4.25 x 2.36" (211 x 108 x 60mm)
Weight	1.87 lb (850g)
Altitude Operating	2000m
Operating Temperature	-4° to +131°F (-20° to +55°C) & 20 to 80% RH
Storage Temperature	-22° to +176°F (-30° to +80°C) & 10 to 90% RH, without batteries
IP Rating	IP 54
Safety Compliance	IEC/EN 61010-1, 600V CAT IV, IEC 61557 

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