AEMC® INSTRUMENTS
CHAUVIN ARNOUX GROUP

Summary Sheet

Megohmmeter Model 6534

Cat. #2155.55
Digital w/Analog Bargraph, Alarm, 10V, 25V, 100V, 250V, 500V, Ohm, Continuity, V, kΩ, Mem, Bluetooth
Multi-function tester for measuring insulation resistance up to 50GΩ, with test voltages of 10V, 25V, 100V, 250V, and 500V. Also measures resistance, continuity, and voltage. Includes memory for storing up to 1300 measurements. Bluetooth allows connection to a computer running DataView®. Complies with International Insulation Testing Standards including IEC/EN 61557, and is rated 600V CAT IV.

Cat.#2155.55

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	10V: 2kΩ to 1GΩ 25V: 5kΩ to 2GΩ 100V: 20kΩ to 10GΩ 250V: 50kΩ to 25GΩ 500V: 100kΩ to 50GΩ
Measurement Accuracy	10V: ≤999kΩ: ± (4% R + 20 ct); ≥1.000MΩ± (3% R + 2 ct + 1%/100MΩ) 25V: ±(3% R + 2ct)+0.4%/100MΩ 100V: ±(3% R + 2ct)+1%/GΩ 250V: ±(3% R + 2ct)+0.4%/GΩ 500V: ±(3% R + 2ct)+0.2%/GΩ
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	

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

15 Faraday Drive • Dover, NH 03820 USA • (800) 343-1391 • (603) 749-6434 • www.aemc.com
customerservice@aemc.com • techsupport@aemc.com

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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	
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
Memory	1300 tests
Communication	Bluetooth 2.1 Class II
Software	DataView (included)
Power Supply	Six AA batteries (NEDA 15A or IEC LR6)
Battery Life	≥ 2500 IR tests at 500V into 500kΩ 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 CE

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