



## Megohmmeter Model 6555

**Cat. #2130.32**

**Graphical, Analog Bargraph, Backlight, Alarm, Timer, (500, 1000, 2500, 5000, 10,000) V, 15 kV, Ramp, StepV, Variable, Auto DAR/PI/DD, USB, w/DataView® Software**

Fully automated 15,000V graphical insulation tester for measuring a wide variety of electrical insulation resistance values on cables and devices operating at high voltage, using standard fixed voltages (500, 1000, 2500, 5000, 10,000) V, and 15,kV) or three programmable step voltage profiles (40 to 15,000) V. USB interface allows connection to a computer running DataView® for configuring the instrument, downloading test results, and generating reports.

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AC/DC Voltage Measurement	
Range	(1 to 4000) V
Accuracy	(1 to 99.9) V: $\pm(1 \% R + 5 \text{ ct})$ (100 to 4000) V: $\pm(1 \% R + 1 \text{ ct})$
Resolution	(1 to 99.9) V: 0.1 V (100 to 999) V: 1 V (1000 to 4000) V: 2 V
Frequency Range	(1 to 2500) V: DC or (15 to 500) Hz (2501 to 4000) V: DC
Input Impedance	3 M $\Omega$
Insulation Measurement	
Test Voltage / Resistance Range	500 V: 10 k $\Omega$ to 2 T $\Omega$ 1000 V: 10 k $\Omega$ to 4 T $\Omega$ 2500 V: 10 k $\Omega$ to 10 T $\Omega$ 5000 V: 10 k $\Omega$ to 15 T $\Omega$ 10,000 V: 10 k $\Omega$ to 25 T $\Omega$ 15,000 V: 10 k $\Omega$ to 30 T $\Omega$
Measurement Accuracy	10 k $\Omega$ to 39.99 G $\Omega$ : $\pm(5 \% R + 3 \text{ ct})$ 40.0 G $\Omega$ to 10.00 T $\Omega$ : $\pm(15 \% R + 10 \text{ ct})$ 400 G $\Omega$ to 3.999 T $\Omega$ : $\pm(15 \% R + 10 \text{ ct})$ @ (500 and 1000) V only (4.00 to 10.00) T $\Omega$ : $\pm(20 \% R + 10 \text{ ct})$ @ 2500 V (4.00 to 15.00) T $\Omega$ : $\pm(20 \% R + 10 \text{ ct})$ @ 5000 V (4.00 to 25.00) T $\Omega$ : $\pm(20 \% R + 10 \text{ ct})$ @ 10000 V (4.00 to 29.00) T $\Omega$ : $\pm(20 \% R + 10 \text{ ct})$ @ 15000 V
Variable Voltage	(40 to 15,000) V

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

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<b>Auto Discharge</b>	Discharge time < 57 s/μF from Vtest to 25 V @ 15,000 V
<b>Live Circuit Indicator</b>	Inhibit test if terminal voltage > 25 V prior to initialization of test
<b>Features</b>	
<b>Programmable Alarm</b>	Yes
<b>DAR – PI – DD – R(t)</b>	Yes
<b>Ramp Mode</b>	Programmable start and end voltage, duration
<b>Step Mode</b>	Up to 10 steps (voltage and duration configurable for each step)
<b>Capacitance Measurement</b>	(0.005 to 19.99) μf
<b>Leakage Current Measurement</b>	(0 to 8) mA
<b>Short Circuit Current</b>	≤ 5mA DC (adjustable in setup mode)
<b>Calculation of R at Reference T°</b>	Yes
<b>Display</b>	Graphic
<b>Memory</b>	256 registers (80,000 points)
<b>Communication</b>	USB optically-isolated port
<b>Software</b>	DataView Software (included)
<b>Power Supply</b>	(2) rechargeable 9.6 V NiMH battery pack; external (90 to 260) V, (50 60) Hz
<b>Battery Life</b>	≥ 2 h at 15,000 V (insulation test)
<b>Charging Time</b>	6 h approximately (charging allowed during tests)
<b>Dimensions</b>	(13.4 x 11.8 x 7.9) in (340 x 300 x 200) mm
<b>Weight</b>	13.7 lbs (6.2 kg)
<b>Altitude Operating</b>	6562 ft (2000 m)
<b>Operating Temperature</b>	(32 to 95) °F (0 to 35) °C ≤ 75 % RH
<b>Storage Temperature</b>	(-40 to +158) °F (-40 to 70) °C ≤ 90 % RH
<b>IP Rating</b>	IP 65
<b>Safety Compliance</b>	IEC/EN 61010-2-034 or BS EN 61010-2-034, IEC-61557 parts 1 and 2 (up to 10 kV) , 1000 V CAT IV, Pollution Degree 2



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