



## Megohmmeter Model 6555


Cat. #2130.32

**Graphical, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, 10kV, 15kV, Ramp, StepV, Variable, Auto DAR/PI/DD, USB, w/DataView<sup>®</sup> 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, 10,000V, and 15,000V) or three programmable step voltage profiles (from 40 to 15,000V). USB interface allows connection to a computer running DataView<sup>®</sup> for configuring the instrument, downloading test results, and generating reports.

AC/DC Voltage Measurement	
Range	1 to 4000V
Accuracy	1 to 99.9V: $\pm(1\% R + 5ct)$ 100 to 4000V: $\pm(1\% R + 1ct)$
Resolution	1 to 99.9V: 0.1V 100 to 999V: 1V 1000 to 4000V: 2V
Frequency Range	1 to 2500V: DC or 15 to 500Hz 2501 to 4000V: DC
Input Impedance	3M $\Omega$
Insulation Measurement	
Test Voltage / Resistance Range	500V: 10k $\Omega$ to 2T $\Omega$ 1000V: 10k $\Omega$ to 4T $\Omega$ 2500V: 10k $\Omega$ to 10T $\Omega$ 5000V: 10k $\Omega$ to 15T $\Omega$ 10,000V: 10k $\Omega$ to 25T $\Omega$ 15,000V: 10k $\Omega$ to 29T $\Omega$
Measurement Accuracy	10k $\Omega$ to 39.99G $\Omega$ : $\pm(5\% R + 3ct)$ 40.0G $\Omega$ to 10.00T $\Omega$ : $\pm(15\% R + 10ct)$ 400G $\Omega$ to 3.999T $\Omega$ : $\pm(15\% R + 10ct)$ @ 500 and 1000V only 4.00 to 10.00T $\Omega$ : $\pm(20\% R + 10ct)$ @ 2500V 4.00 to 15.00T $\Omega$ : $\pm(20\% R + 10ct)$ @ 5000V 4.00 to 25.00T $\Omega$ : $\pm(20\% R + 10ct)$ @ 10000V 4.00 to 29.00T $\Omega$ : $\pm(20\% R + 10ct)$ @ 15000V
Variable Voltage	40 to 15,000V
Auto Discharge	Discharge time < 57s/ $\mu$ F from Vtest to 25V @ 15,000V
Live Circuit Indicator	Inhibit test if terminal voltage > 25V prior to initialization of test
Features	
Programmable Alarm	Yes

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

<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 $\mu$ f
<b>Leakage Current Measurement</b>	0 to 8 mA
<b>Short Circuit Current</b>	$\leq$ 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 x rechargeable 9.6V NiMH battery pack; external 90-260V, 50/60Hz
<b>Battery Life</b>	$\geq$ 2 h at 15,000V (insulation test)
<b>Charging Time</b>	6 hours approximately (charging allowed during tests)
<b>Dimensions</b>	13.4 x 11.8 x 7.9" (340 x 300 x 200mm)
<b>Weight</b>	13.7 lbs (6.2kg)
<b>Altitude Operating</b>	6562' (2000m)
<b>Operating Temperature</b>	32° to +95°F (0° to +35°C) $\leq$ 75% RH
<b>Storage Temperature</b>	-40° to +158°F (-40° to +70°C) $\leq$ 90% RH
<b>IP Rating</b>	IP 65
<b>Safety Compliance</b>	IEC 61010-1, IEC 61557, 1000V CAT IV, Pollution Degree 2 

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



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