

MEGOHMMETERS

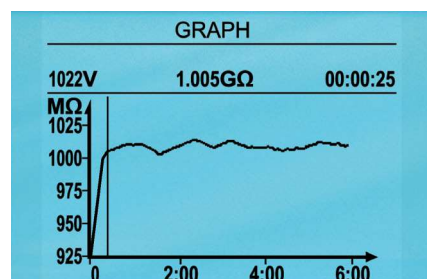
5000V GRAPHICAL

MODEL 5070

Offers real-time graphic plot of measurements and digital presentation of test results

SPECIFICATIONS

MODEL	5070
INSULATION TESTS	
Test Voltage	500V 10k Ω to 2000G Ω (2T Ω) 1000V 10k Ω to 4000G Ω (4T Ω) 2500V 10k Ω to 10,000G Ω (10T Ω) 5000V 10k Ω to 10,000G Ω (10T Ω)
User Selectable Test Voltage	Programmable: 40 to 1000V: 10V increments; 1000 to 5100V: 100V increments
Automatic Step Voltage	Programmable step voltage and duration up to five steps. Three profiles can be stored.
Accuracy	10k Ω to 399.9G Ω $\pm 5\%$ of Reading ± 3 cts 400G Ω to 10T Ω $\pm 15\%$ of Reading ± 10 cts
Voltage Test/Safety Check	2500VAC/4000VDC
Voltage Warning Indicator	Yes >25V
Test Inhibition	Yes — selectable at 3, 10 or 20% of test voltage
Smooth Function (user selectable)	Digital filtering stabilizes display readings
COMMUNICATION	
Storage of Readings over Time R(t)	128kB memory
Storage of Test Results	Stores over 1500 test results
Communication Port	Serial and RS-232 to USB adapter (included)
PC Software/Report Generation	DataView [®] (included)
ELECTRICAL	
Power Source	One 9.6V NiMH battery pack (included) Line power: 85 to 256V (50/60Hz)



Insulation resistance measurement graphically displayed at the completion of the test at the push of a button.



FEATURES

- True Megohmmeter[®]
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Insulation measurements from 10k Ω to 10,000G Ω (10T Ω)
- Selectable and programmable test voltage (40 to 5100V)
- Automatic calculation of DAR, PI and DD ratios
- Calculations of Step Voltage through front panel
- Direct measurement and display of capacitance and leakage current
- Display resistance, test voltage and run time
- Programmable test run times and PI ratio times
- Smooth and Alarm functions
- Automatic test inhibition (if live sample >3%, 10%, or 20% of test voltage)
- Automatic discharge and display of discharge voltage
- Graphic and digital display of test voltage, resistance and more (Model 5070)
- Bright blue electroluminescent backlight
- Programmable temperature compensation (Model 5070)
- Programmable test voltage lock-out
- Programmable alarm setting
- Auto Power OFF when not in use
- AC or DC powered with rechargeable NiMH battery pack - run while charging
- Rugged, water-resistant field case
- Designed and built to IEC safety standards
- Includes DataView[®] software for data retrieval, real-time display, analysis and report generation (Models 5060 & 5070)
- EN 61010-1, 1000V CAT III

CATALOG NO.

DESCRIPTION

2130.30 Megohmmeter Model 5070 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, Step V, Auto DAR/PI/DD, RS-232 with DataView[®] software)

Accessories/Replacement - available on website store from www.aemc.com

2119.45 Cable- Replacement PC RS-232, DB9 F/F 6 ft Null Modem Cable