

MEGOHMMETERS

5000V GRAPHICAL

MODEL 5070

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



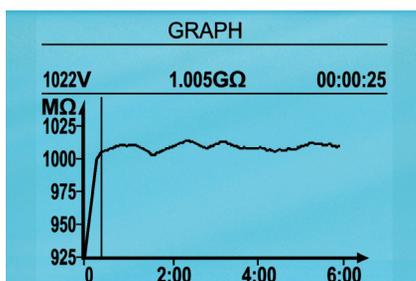
SPECIFICATIONS

MODEL	5070	
INSULATION TESTS		
Test Voltage	500V 1000V 2500V 5000V	10kΩ to 2000GΩ (2TΩ) 10kΩ to 4000GΩ (4TΩ) 10kΩ to 10,000GΩ (10TΩ) 10kΩ to 10,000GΩ (10TΩ)
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	10kΩ to 399.96Ω 400GΩ to 10TΩ	±5% of Reading ±3cts ±15% of Reading ±10cts
Voltage Test/Safety Check		2500V _{AC} /4000V _{DC}
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)



FEATURES

- True Megohmmeter®
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Insulation measurements from 10kΩ to 10,000GΩ (10TΩ)
- 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



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

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