

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
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**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
along with credit for buybacks and trade-ins.

**Custom engineering**
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

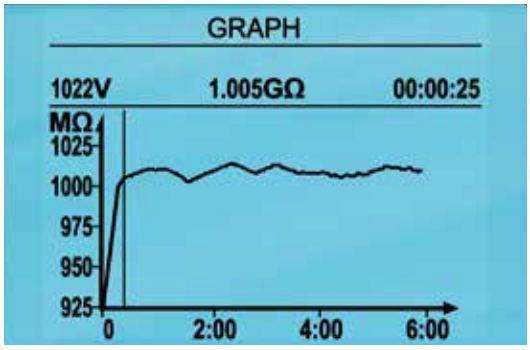
**Expert team | Trust guarantee | 100% satisfaction**

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Find the *AEMC 2119.55* at our website: *Click HERE*

# MEGOHMMETERS
## 5000V Graphical

Special product features




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



## Model 5070

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

SAFETY 1000V CAT III RATING · IP 53 Rated · CE · AUTOMATIC REPORT GENERATION

## ▶FEATURES

- True Megohmmeter®
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Insulation measurements from 30kΩ to 10,000GΩ (10TΩ)
- Selectable and programmable test voltage (40 to 5100V)
- Automatic calculation of DAR, PI and DD ratios
- 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 >25V)
- 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, weatherproof field case
- Designed and built to IEC safety standards
- Includes DataView® software for data storage, real-time display, analysis and report generation (Models 5060 & 5070)
- EN 61010-1, 1000V CAT III

## ▶SPECIFICATIONS

| MODEL | | 5070 |
|---|---|---|
| **INSULATION TESTS** | | |
| **Test Voltage** | 500V<br>1000V<br>2500V<br>5000V | 30kΩ to 2000GΩ (2TΩ)<br>100kΩ to 4000GΩ (4TΩ)<br>100kΩ to 10,000GΩ (10TΩ)<br>300kΩ to 10,000GΩ (10TΩ) |
| **User Selectable Test Voltage** | | Programmable: 40 to 1000V: 10V increments;<br>1000 to 5100V: 100V increments |
| **Automatic Step Voltage** | | Programmable step voltage and duration up to five steps.<br>Three profiles can be stored. |
| **Accuracy** | 1kΩ to 40GΩ<br>40GΩ to 10TΩ | ±5% of Reading ± 3cts<br>±15% of Reading ± 10cts |
| **Voltage Test/Safety Check** | | 2500VAC/4000VDC |
| **Voltage Warning Indicator** | | Yes >25V |
| **Test Inhibition*** | | Yes — adjustable from 25 to 1000V depending on test voltage range in use |
| **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)<br>Line power: 85 to 256V (50/60Hz) |

**Inhibit voltage is selectable at 3, 10 or 20% of test voltage*

| CATALOG NO. | DESCRIPTION |
|---|---|
| 2130.30 | Megohmmeter Model 5070 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, Ramp, Auto DAR/PI/DD, USB Stick w/DataView® software) |
| **Accessories (Optional)** | |
| 2119.45 | Cable, PC RS-232, DB9 F/F 6 ft Null Modem Cable (for use with Models 1060, 5060 & 5070) |



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# DataView®

## Data Analysis and Reporting Software




### Configure all functions of the Megohmmeter
### Models 1060, 5060, 5070, 6526, 6532, 6534, 6550 & 6555




- Print reports of all test results
- Select test voltage and run tests from your computer with a simple click and execute process
- Capture and display data in real-time
- Retrieve data from the instrument's memory for:
  - Over 1500 insulation resistance measurements
  - Over 4000 resistance measurements
- Display DAR and PI ratios
- Plot graphs of manual and timed tests
- Include your analysis comments section with the report
- Store a library of setups for different applications
- Certification of results through report generation
- Free updates are available on our website **www.aemc.com**

## Typical DataView® Functional Displays



*Four tabbed dialog boxes allow for clear and easy setup of all functions of the Model 5070, including setup for variable voltage and alarm set points, as well as step voltage tests and temperature compensation.*

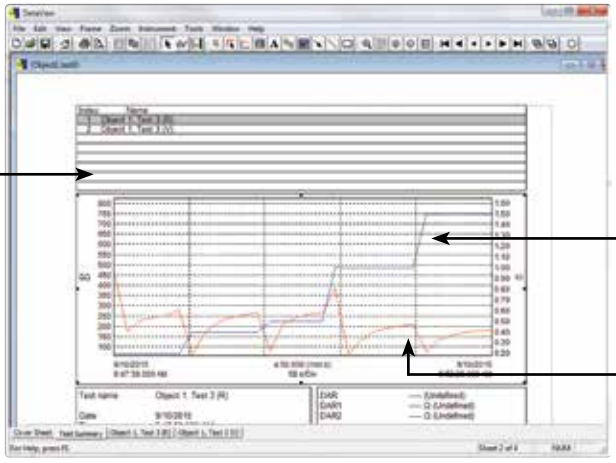


*Variable Voltage selections from 40 to 5100V and can also be programmed along with alarm set points.*



*Model 5070 includes Ramp Function which allows programming of three different ramp test profiles, each containing up to five voltage steps between 40 and 5100V and time per step of up to 10 hours.*

*Test result status box displays complete test results in real-time*



*Step voltage during the test run*

*Insulation resistance with temperature compensation*

*Run test and display text and graphical results from one dialog box. Model 5070 also displays step voltage.*



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**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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