

MEGOHMMETERS

5000V DIGITAL/ANALOG

MODELS 5050 & 5060

Designed with the highest level of built-in safety features

SPECIFICATIONS

| MODELS | 5050 | 5060 |
|---|---|--|
| 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 | |
| Accuracy | 10kΩ to 399.9GΩ 400GΩ to 10TΩ | ±5% of Reading ±3cts ±15% of Reading ±10cts |
| 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) | 4kB memory | 128kB memory |
| Storage of Test Results | 20 readings | 1500 readings |
| 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) | |
| SAFETY | | |
| Safety Rating / Ingress Protection | EN 61010-1, 600V, CAT III 1000V / IP53 | |

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PRODUCT INCLUDES

5050, 5060 & 5070

Extra large classic tool bag, set of (3) 10 ft (5kV) color-coded leads (red/black/blue) with integral 5000V rated hippo clips, (1) guard terminal jumper lead, US 115V power cord, 9.6V NiMH rechargeable battery pack and a user manual.

CATALOG #2119.45

PC RS-232 DB9 F/F 6 ft Null Modem Cable (Models 5060 & 5070)

CATALOG #5000.60

Adapter RS-232 to USB 2.0 (Models 5060 & 5070)

USB THUMB DRIVE

Supplied with DataView® software and a user manual (Models 5060 & 5070)



CATALOG #2119.45, #5000.60 & USB DRIVE (5060 & 5070 only)



DataView®
5060 only

FEATURES

- True Megohmmeter®
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Variable test voltage from 50 to 5100V (model 5060)
- Wide measurement range up to 10TΩ
- Automatic discharge at the completion of the test
- Measure AC voltage up to 4000V
- Automatic test inhibit if live voltage detected above a set value
- Programmable alarms for all functions
- Automatic calculation of DAR, PI and DD ratios
- Large, backlit LCD screen with digital display and bargraph
- Measures capacitance up to 49.99µf
- Stores up to 1500 measurements (model 5060)
- Includes DataView® software for data retrieval, real-time display, analysis and report generation

| CATALOG NO. | DESCRIPTION |
|-------------|---|
| 2130.20 | Megohmmeter Model 5050 (Digital, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, Auto DAR/PI/DD) |
| 2130.21 | Megohmmeter Model 5060 (Digital, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, Auto DAR/PI/DD, RS-232 w/ DataView® Software) |



MEGOHMMETERS

SELECTION CHART

| AEMC MODEL NUMBER | AEMC CATALOG NUMBER | TEST VOLTAGE | INSULATION RANGE | RESISTANCE RANGE | CONTINUITY RANGE | CAPACITANCE RANGE | VOLTAGE DETECTION | POWER SOURCE | DISPLAY | DATAVIEW® SOFTWARE |
|--------------------|---------------------|---|--|------------------|---------------------------------------|-------------------|---------------------|---------------------------|---------------------|--------------------|
| 6501 | 2126.51 | 500V | 0.5 to 200MΩ | 500kΩ | 100Ω | — | 600Vac | Hand-cranked | Analog | No |
| 6503 | 2126.52 | 250V 500V 1000V | 1 to 500MΩ 1 to 500MΩ 10 to 5000MΩ | — | — | — | 600Vac | Hand-cranked | Analog | No |
| 6527 | 2126.53 | 250V 500V 1000V | 1kΩ to 4GΩ 1kΩ to 4GΩ 1kΩ to 4GΩ | 400kΩ | 400Ω | — | 600Vac 1000Vdc | 6 x AA Alkaline Batteries | Digital/ Analog | No |
| 6522 | 2155.51 | 250V 500V 1000V | 50kΩ to 10GΩ 100kΩ to 20GΩ 200kΩ to 40GΩ | — | 10Ω | — | 700Vac/dc | 6 x AA Alkaline Batteries | Digital/ Analog | No |
| 6528 | 2126.54 | 250V 500V 1000V | 0.050MΩ to 4200MΩ 0.100MΩ to 4200MΩ 0.20MΩ to 11GΩ | 0 to 420kΩ | 0 to 40Ω (200mA test current ≤ 2Ω) | — | 700Vac 700Vac/dc | 6 x AA Alkaline Batteries | Digital | No |
| 6529 | 2126.55 | 50V 100V 250V 500V 1000V | 0.010MΩ to 420MΩ 0.020MΩ to 420MΩ 0.050MΩ to 420MΩ 0.100MΩ to 4200MΩ 0.20MΩ to 11GΩ | 0 to 420kΩ | 0 to 40Ω (200mA test current ≤ 2Ω) | — | 700Vac 700Vac/dc | 6 x AA Alkaline Batteries | Digital | No |
| 6524 | 2155.52 | 50V 100V 250V 500V 1000V | 10kΩ to 10GΩ 20kΩ to 20GΩ 50kΩ to 50GΩ 100kΩ to 100GΩ 200kΩ to 200GΩ | 1000kΩ | 10Ω, 100Ω | — | 700Vac/dc | 6 x AA Alkaline Batteries | Digital/ Analog | No |
| 6526 | 2155.53 | 50V 100V 250V 500V 1000V | 10kΩ to 10GΩ 20kΩ to 20GΩ 50kΩ to 50GΩ 100kΩ to 100GΩ 200kΩ to 200GΩ | 1000kΩ | 10Ω, 100Ω | 0.1n to 10μF | 700Vac/dc | 6 x AA Alkaline Batteries | Digital/ Analog | Yes |
| 6532 | 2155.54 | 50V 100V | 10kΩ to 10GΩ 20kΩ to 20GΩ | 1000kΩ | 10Ω, 100Ω | 0.1n to 10μF | 700Vac/dc | 6 x AA Alkaline Batteries | Digital/ Analog | Yes |
| 6534 | 2155.55 | 10V 25V 100V 250V 500V | 2kΩ to 1GΩ 5kΩ to 2GΩ 10kΩ to 10GΩ 50kΩ to 25GΩ 100kΩ to 50GΩ | 1000kΩ | 10Ω, 100Ω | — | 700Vac/dc | 6 x AA Alkaline Batteries | Digital/ Analog | Yes |
| 6536 | 2155.56 | 10V 100V | 2kΩ to 20GΩ | 1000kΩ | 10Ω, 100Ω | — | 700Vac/dc | 6 x AA Alkaline Batteries | Digital/ Analog | No |
| 6536 ESD Floor Kit | 2155.57 | (variable in 1V steps) | | | | | | | | |
| 1050 | 2130.01 | 50V 100V 250V 500V 1000V | 2kΩ to 200GΩ 4kΩ to 400GΩ 10kΩ to 1TΩ 20kΩ to 2TΩ 40kΩ to 4TΩ | 400kΩ | 40Ω | 0.005 to 4.999μF | 1000Vac/dc | 8 x 1.5V C Cell Batteries | Digital/ Analog | No |
| 1060 | 2130.03 | 50V 100V 250V 500V 1000V | 2kΩ to 200GΩ 4kΩ to 400GΩ 10kΩ to 1TΩ 20kΩ to 2TΩ 40kΩ to 4TΩ | 400kΩ | 40Ω | 0.005 to 4.999μF | 1000Vac/dc | Rechargeable NiMH Battery | Digital/ Analog | Yes |
| 6505 | 2130.18 | 500V 1000V 2500V 5000V | 10kΩ to 2TΩ 10kΩ to 4TΩ 10kΩ to 10TΩ 10kΩ to 10TΩ | — | — | 0.001 to 49.99μF | 2500Vac 4000Vdc | Rechargeable NiMH Battery | Digital/ Analog | No |
| 5050 | 2130.20 | 500V 1000V 2500V 5000V | 10kΩ to 2TΩ 10kΩ to 4TΩ 10kΩ to 10TΩ 10kΩ to 10TΩ | — | — | 0.001 to 49.99μF | 2500Vac 4000Vdc | Rechargeable NiMH Battery | Digital/ Analog | No |
| 5060 | 2130.21 | 500V 1000V 2500V 5000V | 10kΩ to 2TΩ 10kΩ to 4TΩ 10kΩ to 10TΩ 10kΩ to 10TΩ | — | — | 0.001 to 49.99μF | 2500Vac 4000Vdc | Rechargeable NiMH Battery | Digital/ Analog | Yes |
| 5070 | 2130.30 | 500V 1000V 2500V 5000V | 10kΩ to 2TΩ 10kΩ to 4TΩ 10kΩ to 10TΩ 10kΩ to 10TΩ | — | — | 0.001 to 49.99μF | 2500Vac 4000Vdc | Rechargeable NiMH Battery | Graphic/ Digital | Yes |
| 6550 | 2130.31 | 500V 1000V 2500V 5000V 10,000V | 10kΩ to 2000GΩ 10kΩ to 4000GΩ 10kΩ to 10,000GΩ 10kΩ to 15,000GΩ 10kΩ to 25,000GΩ | — | — | 0.001 to 19.99μF | 2500Vac 4000Vdc | Rechargeable NiMH Battery | Digital/ Analog | Yes |
| 6555 | 2130.32 | 500V 1000V 2500V 5000V 10,000V 15,000V | 10kΩ to 2000GΩ 10kΩ to 4000GΩ 10kΩ to 10,000GΩ 10kΩ to 15,000GΩ 10kΩ to 25,000GΩ 10kΩ to 30,000GΩ | — | — | 0.001 to 19.99μF | 2500Vac 4000Vdc | Rechargeable NiMH Battery | Digital/ Analog | Yes |

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