

# MEGOHMMETERS

## DIGITAL/ANALOG & MULTI-FUNCTION HANDHELD

### MODELS 6522, 6526, 6534 & 6536

**6522 & 6526** - ideal for testing cables, small motors, pumps, transformers and industrial equipment

**6534** - ideal for insulation measurements on communication cables, Ethernet cables and other low voltage DC wiring

**6536** - ideal for special applications in the aerospace and defense sectors and for ESD testing where specific test voltages are required



6522

6526



6534



6536

## SPECIFICATIONS

| MODELS                  | 6522                      | 6526                            | 6534                          | 6536                               |
|-------------------------|---------------------------|---------------------------------|-------------------------------|------------------------------------|
| INSULATION TESTS        |                           |                                 |                               |                                    |
| Test Voltages           | (250, 500, and 1000) V    | (50, 100, 250, 500, and 1000) V | (10, 25, 100, 250, and 500) V | Variable (10 to 100) V (1 V steps) |
| Insulation Resistance   | 40 GΩ (40,000 MΩ)         | 200 GΩ (200,000 MΩ)             | 50 GΩ (50,000 MΩ)             | 20 GΩ (20,000 MΩ)                  |
| PI/DAR Ratios           | No                        | Yes                             | No                            |                                    |
| Test Lock               | Yes                       |                                 |                               |                                    |
| Timer                   | (0 to 40) min             |                                 |                               |                                    |
| Auto Discharge          | Yes                       |                                 |                               |                                    |
| Automatic Test Inhibit  | > 25 V                    |                                 |                               |                                    |
| DMM FUNCTIONS           |                           |                                 |                               |                                    |
| Voltage                 | 700 V <sub>AC/DC</sub>    |                                 |                               |                                    |
| Resistance              | —                         | 1000 kΩ                         |                               |                                    |
| Continuity              | 10 Ω                      | 10 Ω, 100 Ω                     |                               |                                    |
| Test Current            | 200 mA                    |                                 |                               |                                    |
| Capacitance Measurement | —                         | 0.1 n to 10 μF                  | —                             |                                    |
| Frequency               | —                         | (15.3 to 800) Hz                | —                             |                                    |
| GENERAL FUNCTIONS       |                           |                                 |                               |                                    |
| Alarm / Δ Rel           | No/No                     | Yes / Yes                       |                               |                                    |
| Auto Power OFF          | Yes                       |                                 |                               |                                    |
| Data Hold               |                           |                                 |                               |                                    |
| Test Lead Compensation  |                           |                                 |                               |                                    |
| Remote Probe            | Yes (optional)            |                                 |                               |                                    |
| Memory                  | —                         | 1300 measurements               | —                             |                                    |
| Bluetooth               | —                         | 2.1 Class II                    | —                             |                                    |
| DataView® Software      | —                         | Included                        | —                             |                                    |
| Display Type            | Digital w/Analog Bargraph |                                 |                               |                                    |
| Display Counts          | 4000                      |                                 |                               |                                    |
| Backlight               | Yes                       |                                 |                               |                                    |
| Power Supply            | (6) AA Alkaline           |                                 |                               |                                    |
| Magnetic Mount          | Yes                       |                                 |                               |                                    |
| SAFETY                  |                           |                                 |                               |                                    |
| Safety Rating           | 600 V CAT IV              |                                 |                               |                                    |

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| CATALOG NO. | DESCRIPTION                                                                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2155.51     | Megohmmeter Model 6522 (Digital w/Analog Bargraph, 250 V, 500 V, 1000 V, Continuity, V)                                                                                   |
| 2155.53     | Megohmmeter Model 6526 (Digital w/Analog Bargraph, Alarm, 50 V, 100 V, 250 V, 500 V, 1000 V, Ohm, Continuity, V, kΩ, Capacitance, Memory, Bluetooth w/DataView® software) |
| 2155.55     | Megohmmeter Model 6534 (Digital w/Analog Bargraph, Alarm, 10 V, 25 V, 100 V, 250 V, 500 V, Ohm, Continuity, V, kΩ, Memory, Bluetooth w/DataView® software)                |
| 2155.56     | Megohmmeter Model 6536 (Digital w/Analog Bargraph, Alarm, Variable (10 to 100) V, Ohm, Continuity, V, kΩ)                                                                 |
| 2155.57     | Megohmmeter Model 6536 ESD Floor Kit (Meter, set of (2) 5 lb weights and carrying case)                                                                                   |



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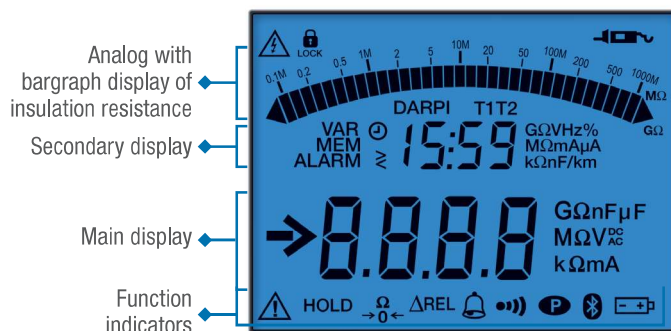
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# MEGOHMMETERS

DIGITAL/ANALOG & MULTI-FUNCTION HANDHELD  
MODELS 6522, 6526, 6534 & 6536

## FRONT PANEL & FUNCTIONAL DISPLAYS



## PRODUCT INCLUDES

### 6522

Soft carrying case, (2) 5 ft color-coded (red/black) leads, (2) color-coded (red/black) alligator clips, (1) black test probe, (6) AA batteries and user manual.

### 6526

Soft carrying case, (2) 5 ft color-coded (red/black) leads, (2) color-coded (red/black) alligator clips, (1) black test probe, (6) AA batteries, quick start guide, USB stick with DataView® software and user manual.

### 6534

Soft carrying case, (2) 5 ft color-coded (red/black) leads, (2) color-coded (red/black) alligator clips, (1) black test probe, (2) color-coded (red/black) grip probes, (6) AA batteries, quick start guide, USB stick with DataView® software and user manual.

### 6536

Soft carrying case, (2) 5 ft color-coded (red/black) leads, (2) color-coded (red/black) alligator clips, (1) black test probe, (2) color-coded (red/black) grip probes, (6) AA batteries, and user manual.

### 6536 ESD FLOOR KIT

Field case, (2) 5 ft color-coded (red/black) leads, (2) color-coded (red/black) alligator clips, (1) black test probe, (2) color-coded (red/black) grip probes, (2) 5 lb weights with conductive rubber bottom pad, (2) 4 mm non-insulated adapters, (6) AA batteries, and user manual.

SHOWN: 6526



**DataView®**  
6526, 6532 & 6534

## FEATURES\*

- True Megohmmeter®
- Test voltage from (10 to 1000) V
- Insulation resistance up to 200 GΩ
- Manual, Lock, Timer modes & PI/DAR Ratio calculations
- Alarms with Green/Red Pass/Fail indicator light
- 200 mA/20 mA continuity with active protection without fuses
- Measurement of V (TRMS & DC), F, Ω, kΩ, Hz, C
- ΔRel mode for comparison measurements
- Configurable alarms
- Data retrieval
- Automatic discharge after test
- Automatic test inhibit if device under test is energized > 25 V

\* Features are model dependent. Bluetooth on selected models.

# 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 |
|--------------------|---------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------|---------------------|-----------------------------------------------|---------------------------|---------------------|--------------------|
| 6503               | 2126.52             | 250 V<br>500 V<br>1000 V                                    | (1 to 500) MΩ<br>(1 to 500) MΩ<br>(10 to 5000) MΩ                                                                            | —                |                                            |                     | 600 V <sub>AC</sub>                           | Hand-cranked              | Analog              | No                 |
| 6522               | 2155.51             | 250 V<br>500 V<br>1000 V                                    | 50 kΩ to 10 GΩ<br>100 kΩ to 20 GΩ<br>200 kΩ to 40 GΩ                                                                         | —                | 10 Ω                                       | —                   | 700 V <sub>AC/DC</sub>                        | (6) AA Alkaline Batteries | Digital/<br>Analog  | No                 |
| 6527               | 2126.53             | 250 V<br>500 V<br>1000 V                                    | 1 kΩ to 4 GΩ<br>1 kΩ to 4 GΩ<br>1 kΩ to 4 GΩ                                                                                 | 400 kΩ           | 400 Ω                                      | —                   | 600 V <sub>AC</sub><br>1000 V <sub>DC</sub>   | (6) AA Alkaline Batteries | Digital/<br>Analog  | No                 |
| 6529               | 2126.55             | 50 V<br>100 V<br>250 V<br>500 V<br>1000 V                   | (0.010 to 420) MΩ<br>(0.020 to 420) MΩ<br>(0.050 to 420) MΩ<br>(0.100 to 4200) MΩ<br>0.20 MΩ to 11 GΩ                        | (0 to 420) kΩ    | (0 to 40) Ω<br>(200 mA test current ≤ 2 Ω) | —                   | 700 V <sub>AC</sub><br>700 V <sub>AC/DC</sub> | (6) AA Alkaline Batteries | Digital             | No                 |
| 6526               | 2155.53             | 50 V<br>100 V<br>250 V<br>500 V<br>1000 V                   | 10 kΩ to 10 GΩ<br>20 kΩ to 20 GΩ<br>50 kΩ to 50 GΩ<br>100 kΩ to 100 GΩ<br>200 kΩ to 200 GΩ                                   | 1000 kΩ          | 10 Ω,<br>100 Ω                             | 0.1 n to<br>10 μF   | 700 V <sub>AC/DC</sub>                        | (6) AA Alkaline Batteries | Digital/<br>Analog  | Yes                |
| 6534               | 2155.55             | 10 V<br>25 V<br>100 V<br>250 V<br>500 V                     | 2 kΩ to 1 GΩ<br>5 kΩ to 2 GΩ<br>10 kΩ to 10 GΩ<br>50 kΩ to 25 GΩ<br>100 kΩ to 50 GΩ                                          | 1000 kΩ          | 10 Ω,<br>100 Ω                             | —                   | 700 V <sub>AC/DC</sub>                        | (6) AA Alkaline Batteries | Digital/<br>Analog  | Yes                |
| 6536               | 2155.56             | 10 V<br>100 V                                               | 2 kΩ to 20 GΩ                                                                                                                | 1000 kΩ          | 10 Ω,<br>100 Ω                             | —                   | 700 V <sub>AC/DC</sub>                        | (6) AA Alkaline Batteries | Digital/<br>Analog  | No                 |
| 6536 ESD Floor Kit | 2155.57             | (variable in 1 V steps)                                     |                                                                                                                              |                  |                                            |                     |                                               |                           |                     |                    |
| 1060               | 2130.03             | 50 V<br>100 V<br>250 V<br>500 V<br>1000 V                   | 2 kΩ to 200 GΩ<br>4 kΩ to 400 GΩ<br>10 kΩ to 1 TΩ<br>20 kΩ to 2 TΩ<br>40 kΩ to 4 TΩ                                          | 400 kΩ           | 40 Ω                                       | (0.005 to 4.999) μF | 1000 V <sub>AC/DC</sub>                       | Rechargeable NiMH Battery | Digital/<br>Analog  | Yes                |
| 6505               | 2130.18             | 500 V<br>1000 V<br>2500 V<br>5000 V                         | 10 kΩ to 2 TΩ<br>10 kΩ to 4 TΩ<br>10 kΩ to 10 TΩ<br>10 kΩ to 10 TΩ                                                           | —                |                                            | (0.001 to 49.99) μF | 2500 V <sub>AC</sub><br>4000 V <sub>DC</sub>  | Rechargeable NiMH Battery | Digital/<br>Analog  | No                 |
| 5050               | 2130.20             | 500 V<br>1000 V<br>2500 V<br>5000 V                         | 10 kΩ to 2 TΩ<br>10 kΩ to 4 TΩ<br>10 kΩ to 10 TΩ<br>10 kΩ to 10 TΩ                                                           | —                |                                            | (0.001 to 49.99) μF | 2500 V <sub>AC</sub><br>4000 V <sub>DC</sub>  | Rechargeable NiMH Battery | Digital/<br>Analog  | No                 |
| 5060               | 2130.21             | 500 V<br>1000 V<br>2500 V<br>5000 V                         | 10 kΩ to 2 TΩ<br>10 kΩ to 4 TΩ<br>10 kΩ to 10 TΩ<br>10 kΩ to 10 TΩ                                                           | —                |                                            | (0.001 to 49.99) μF | 2500 V <sub>AC</sub><br>4000 V <sub>DC</sub>  | Rechargeable NiMH Battery | Digital/<br>Analog  | Yes                |
| 5070               | 2130.30             | 500 V<br>1000 V<br>2500 V<br>5000 V                         | 10 kΩ to 2 TΩ<br>10 kΩ to 4 TΩ<br>10 kΩ to 10 TΩ<br>10 kΩ to 10 TΩ                                                           | —                |                                            | (0.001 to 49.99) μF | 2500 V <sub>AC</sub><br>4000 V <sub>DC</sub>  | Rechargeable NiMH Battery | Graphic/<br>Digital | Yes                |
| 6550               | 2130.31             | 500 V<br>1000 V<br>2500 V<br>5000 V<br>10,000 V             | 10 kΩ to 2000 GΩ<br>10 kΩ to 4000 GΩ<br>10 kΩ to 10,000 GΩ<br>10 kΩ to 15,000 GΩ<br>10 kΩ to 25,000 GΩ                       | —                |                                            | (0.001 to 19.99) μF | 2500 V <sub>AC</sub><br>4000 V <sub>DC</sub>  | Rechargeable NiMH Battery | Digital/<br>Analog  | Yes                |
| 6555               | 2130.32             | 500 V<br>1000 V<br>2500 V<br>5000 V<br>10,000 V<br>15,000 V | 10 kΩ to 2000 GΩ<br>10 kΩ to 4000 GΩ<br>10 kΩ to 10,000 GΩ<br>10 kΩ to 15,000 GΩ<br>10 kΩ to 25,000 GΩ<br>10 kΩ to 30,000 GΩ | —                |                                            | (0.001 to 19.99) μF | 2500 V <sub>AC</sub><br>4000 V <sub>DC</sub>  | Rechargeable NiMH Battery | Digital/<br>Analog  | Yes                |

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