

Megohmmeter Models 6526 & 6534



MEGOHMMETERS

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Statement of Compliance

Chauvin Arnoux®, Inc. d.b.a. AEMC® Instruments certifies that this instrument has been calibrated using standards and instruments traceable to international standards.

We guarantee that at the time of shipping your instrument has met the instrument's published specifications.

An NIST traceable certificate may be requested at the time of purchase, or obtained by returning the instrument to our repair and calibration facility, for a nominal charge.

The recommended calibration interval for this instrument is 12 months and begins on the date of receipt by the customer. For recalibration, please use our calibration services. Refer to our repair and calibration section at www.aemc.com/calibration.

Serial #: _____

Catalog #: **2155.53 / 2155.55**

Model #: **6526 / 6534**

Please fill in the appropriate date as indicated:

Date Received: _____

Date Calibration Due: _____



Chauvin Arnoux®, Inc.
d.b.a AEMC® Instruments
www.aemc.com

PRODUCT PACKAGING (2155.53 / 2155.55)



One of the following:

Megohmmeter Model 6526 - **Cat. #2155.53**

Megohmmeter Model 6534 - **Cat. #2155.55**



Soft Carrying Pouch
(7.75 x 9.25 x 2.75) in

Cat. #2119.02



(2) Color-coded Grip Probes
Cat. #2152.26
(Model 6534 Only)



(2) Color-coded (Red/Black) Test Leads with
Alligator Clips and (1) Black Test Probe
Cat. #2152.26



(1) 4 GB USB Drive with
User Manual &
Dataview® Software















Also Included:

(1) (6) AA Batteries

Thank you for purchasing an AEMC® Instruments **Megohmmeter Model 6526 or Model 6534**.

For best results from your instrument and for your safety, read the enclosed operating instructions carefully and comply with the precautions for use. Only qualified and trained operators should use this product.

International Electrical Symbols

	Signifies that the instrument is protected by double or reinforced insulation.
	CAUTION - Risk of Danger! Indicates a WARNING . Whenever this symbol is present, the operator must refer to the user manual before operation.
	Indicates a risk of electric shock. The voltage at the parts marked with this symbol may be dangerous.
	Indicates Important information to acknowledge.
	The product has been declared recyclable.
	Ground/Earth
	Battery
	The voltage on the terminals must not exceed 700 V.
	Remote test probe
 	Chauvin Arnoux® and AEMC® Instruments have adopted an Eco-Design approach in order to design this instrument. Analysis of the complete lifecycle has enabled us to control and optimize the effects of the product on the environment. In particular this instrument exceeds regulation requirements with respect to recycling and reuse.
	This product complies with the Low Voltage & Electromagnetic Compatibility European directives.
 	In the European Union, this product is subject to a separate collection system for recycling electrical and electronic components in accordance with directive WEEE 2012/19/EU.

Definition of Measurement Categories (CAT)

- CAT IV:** Corresponds to measurements performed at primary electrical supply (< 1000 V).
Example: primary overcurrent protection devices, ripple control units, and meters.
- CAT III:** Corresponds to measurements performed in the building installation at the distribution level.
Example: hardwired equipment in fixed installation and circuit breakers.
- CAT II:** Corresponds to measurements performed on circuits directly connected to the electrical distribution system.
Example: measurements on household appliances and portable tools.

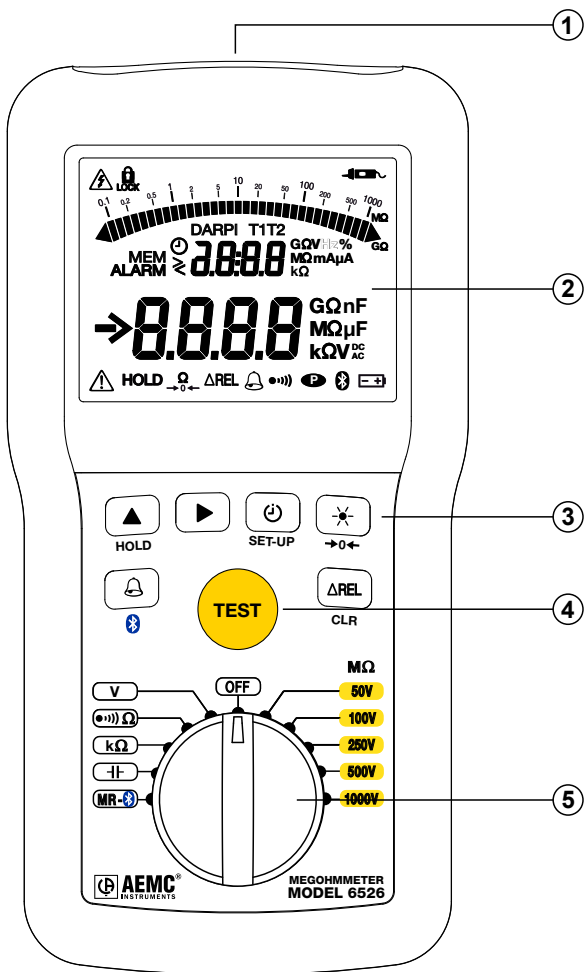
Precautions for Use

This instrument is compliant with safety standard IEC 61010-2-030, and the leads are compliant with IEC 61010-031, for voltages up to 600 V in CAT IV or 1000 V in CAT III.

Failure to observe the safety instructions may result in electric shock, fire, explosion, destruction of the device, or destruction of the installations.

- Carefully read and understand all precautions for use.
- Be aware of all electrical hazards when using this instrument.
- Using this instrument other than as specified may compromise the instrument's user protection features.
- The safety of any system in which this instrument is incorporated is the responsibility of the integrator of the system.
- This instrument can be used on CAT IV installations, for voltages not exceeding 600 V_{RMS} with respect to ground or 700 V_{RMS} maximum between terminals.
- Do not use the instrument on networks whose voltage or category exceeds those specified in this manual.
- Observe all environmental conditions of use.
- Except for voltage measurements, take no measurements on electrically **live** systems.
- Do not use the instrument if it appears damaged, incomplete, or poorly closed.
- Before each use, check the condition of the insulation on the leads, housing, and accessories. Any part on which the insulation is deteriorated (even partially) must be set aside for repair or scrapping.
- Using the instrument without its battery compartment cover may result in electric shock to the user.
- Before using your instrument, ensure it is completely dry.
- Use only the leads and accessories supplied. The use of leads (or other accessories) of a lower voltage rating or category limits the use of the instrument/leads (or accessories) combination to the lowest category and service voltage.
- When handling the leads, test probes, and alligator clips, keep your fingers behind the physical guards.
- Before removing the battery compartment cover, ensure all measurement leads and accessories are disconnected. Replace all batteries at once. Use alkaline batteries.
- Use personal protection equipment where appropriate.
- All troubleshooting and metrological checks must be done by competent, accredited personnel.

Instrument













①	Input terminals
②	Blue backlit LCD
③	Function buttons
④	TEST button to start insulation measurements
⑤	Rotary switch to choose the function or to turn the instrument OFF. The table below lists the functions available for each model instrument.

Functions

	Model 6526	Model 6534
Insulation test voltages	(50, 100, 250, 500 and 1000) V	(10, 25, 100, 250 and 500) V
Insulation resistance	10 k Ω to 200 G Ω	2 k Ω to 50 G Ω
PI and DAR ratios calculation	✓	
Continuity measurement	✓	✓
Resistance measurement	✓	✓
Programmable alarms	✓	✓
Frequency measurement	✓	
Capacitance measurement	✓	
Distance measurement		
Data storage	✓	✓
Bluetooth communication	✓	✓

Function Buttons

In general, each button has two functions. One is marked on the button, and is enabled via a short press. The second function is marked under the button, and is enabled by a long (>2 seconds) press.



	Selects the  ,  , PI , and DAR functions.
	Toggles backlighting ON and OFF.
HOLD	Freezes/unfreezes the displayed measurement on the LCD.
SET-UP	Accesses the instrument's setup parameters and information.
	Applies lead compensation for use in continuity testing.
	Activates/deactivates alarms.
	The  and  buttons allow you to: Select the displayed information and program the durations of insulation measurements. Choose the continuity test current. Program the alarm thresholds.
ΔRel	Sets the present measurement as a zero reference to which future measurements are compared.
MEM	Records measurements.
CLR	Erase recorded measurements.
	Enable Bluetooth wireless communication.

Installing Batteries




1. Disconnect any attached leads or accessories from the instrument and turn the rotary switch to **OFF**.
2. Use a tool or a coin to turn the quarter-turn screw of the battery compartment cover.
3. Remove the battery compartment cover.
4. Remove the batteries from the compartment.
5. Place the new batteries in the compartment, ensuring that each battery's polarity is correct.

Put the battery cover in place and screw the quarter-turn screw back in place.

Installing DataView®

1. Insert the DataView USB drive into an available USB port (wait for driver to be installed).
2. If Autorun is enabled, an AutoPlay window appears on your screen. Click **Open folder to view files** to display the DataView folder. If Autorun is not enabled or allowed, use Windows Explorer to locate and open the USB drive labeled **DataView**.
3. When the DataView folder is open, find the file **Setup.exe** in the root directory and double-click it to run the installation program.
4. The DataView setup screen appears. In the upper left section of the screen, choose the language version of the setup program. Then select **DataView** in the Options list and click **Install**.
5. Click **OK** to confirm setup. The InstallShield Wizard welcome screen appears. The InstallShield Wizard leads you through the installation process. As you complete these screens, be sure to click **Megohmmeter** when prompted to select the Control Panels to install.
6. When you have completed all screens, click **Finish** to leave the InstallShield Wizard. Then close the DataView Setup screen. The DataView folder  now appears on your computer desktop, containing the Megohmmeter Control Panel  icon.

Connecting to the Computer

1. Set the rotary switch to **MR** .
2. Press the  button for >2 seconds. The  icon appears on the LCD, indicating Bluetooth is enabled on the instrument.
3. Open the Bluetooth Devices dialog on your computer to pair the instrument with your computer. Different operating systems have different steps for opening this dialog, so consult your computer's documentation for instructions.

4. Once the dialog is displayed, click **Add a Device**. A dialog box appears listing the locally available Bluetooth devices. There may be several devices of varying types listed, depending on the location of your computer.
5. Find the instrument's Bluetooth name, and click it.
6. You are prompted to enter a pairing code; enter **1111**.
7. After you enter the code, click **Next**. A screen appears informing you that the instrument has been successfully connected with the computer. Click **Close** to exit the screen.
8. Open the Megohmmeter Control Panel. In the menu bar at the top of the screen, select **Help**. In the drop-down menu that appears, click the option **Help Topics**. This opens the Megohmmeter Control Panel Help system.
9. Use the Contents window in the Help system to locate and open the topic **Connecting to an Instrument**. This topic provides instructions explaining how to connect your instrument to the computer.
10. After the instrument is successfully connected, consult the Control Panel Help system for instructions about viewing real-time data, downloading and viewing recorded sessions, creating DataView reports from the downloaded data, and configuring the instrument through the Control Panel.

Recording Data

Recording a Measurement

Press the **MEM** button for >2 seconds. The measurement is stored in the first available location in the instrument's memory. The saved recording includes all information associated with the measurement, including voltage, current, duration of tests, T1 and T2 (for **PI** and **DAR**), and any other applicable data for the test type. The recording also includes a bar graph indicating how much available memory remains in the instrument.

Viewing Stored Recordings

1. Set the rotary switch to **MR**.
2. The instrument displays the last recording stored in the instrument. The secondary (top) display indicates the memory location; while the main display indicates the measured value. To see other stored measurements, press the **▲** button. The record number is decremented and the corresponding measurement is displayed.
3. To scroll rapidly through the recorded measurements, keep the **▲** button pressed.
4. To select a specific recording, use the **►** button to change the recording number.
5. Once you select the recording number, you can see all information associated with the measurement. Press the **MEM** button for >2 seconds, then use the **▲** button to scroll the information.
6. When finished viewing recordings, press **MEM** for >2 seconds.

Deleting Recordings

To delete a single recording:

1. Set the rotary switch to **MR**.
2. Use the **▲** and **▶** buttons to select the number of the recording to be deleted.
3. Press the **CLR** button for >2 seconds. The record number blinks and the LCD displays the letters **CLR**.
4. Press the **MEM** button for >2 seconds to confirm the deletion. To cancel, press the **CLR** button for >2 seconds.

To delete all stored recordings:

1. Set the rotary switch to **MR**.
2. Press the **CLR** button for >2 seconds.
3. Press the **▲** button; the record number is replaced by **ALL**.
4. To cancel, press the **CLR** button for >2 seconds. Otherwise, press the **MEM** button for >2 seconds to confirm the deletion.
5. The instrument displays a message indicating the memory is empty.

Repair and Calibration

To ensure that your instrument meets factory specifications, we recommend that it be sent back to our factory Service Center at one-year intervals for recalibration or as required by other standards or internal procedures.

For instrument repair and calibration:

You must contact our Service Center for a Customer Service Authorization Number (CSA#). Send an email to repair@aemc.com requesting a CSA#, you will be provided a CSA Form and other required paperwork along with the next steps to complete the request. Then return the instrument along with the signed CSA Form. This will ensure that when your instrument arrives, it will be tracked and processed promptly. Please write the CSA# on the outside of the shipping container. If the instrument is returned for calibration, we need to know if you want a standard calibration or a calibration traceable to N.I.S.T. (includes calibration certificate plus recorded calibration data).

Ship To: Chauvin Arnoux®, Inc. d.b.a. AEMC® Instruments

15 Faraday Drive • Dover, NH 03820 USA

Phone: (800) 945-2362 (Ext. 360) / (603) 749-6434 (Ext. 360)

Fax: (603) 742-2346

E-mail: repair@aemc.com

(Or contact your authorized distributor.)

Contact us for the costs for repair, standard calibration, and calibration traceable to N.I.S.T.



NOTE: You must obtain a CSA# before returning any instrument.

Technical and Sales Assistance

If you are experiencing any technical problems or require any assistance with the proper operation or application of your instrument, please call, e-mail or fax our technical support team:

Chauvin Arnoux®, Inc. d.b.a. AEMC® Instruments

Phone: (800) 343-1391 (Ext. 351)

Fax: (603) 742-2346

E-mail: techsupport@aemc.com

www.aemc.com

Limited Warranty

The instrument is warrantied to the owner for a period of two years from the date of original purchase against defects in manufacture. This limited warranty is given by AEMC® Instruments, not by the distributor from whom it was purchased. This warranty is void if the unit has been tampered with, abused, or if the defect is related to service not performed by AEMC® Instruments.

Full warranty coverage and product registration is available on our website at www.aemc.com/warranty.html

Please print the online Warranty Coverage Information for your records.

What AEMC® Instruments will do:

If a malfunction occurs within the warranty period, you may return the instrument to us for repair, provided we have your warranty registration information on file or a proof of purchase. AEMC® Instruments will repair or replace the faulty material at our discretion.

REGISTER ONLINE AT: www.aemc.com/warranty.html

Warranty Repairs

What you must do to return an Instrument for Warranty Repair:

First, send an email to repair@aemc.com requesting a Customer Service Authorization Number (CSA#) from our Service Department. You will be provided a CSA Form and other required paperwork along with the next steps to complete the request. Then return the instrument along with the signed CSA Form. Please write the CSA# on the outside of the shipping container. Return the instrument, postage or shipment pre-paid to:

Chauvin Arnoux®, Inc. d.b.a. AEMC® Instruments

15 Faraday Drive, Dover, NH 03820 USA

Phone: (800) 945-2362 (Ext. 360) / (603) 749-6434 (Ext. 360)

Fax: (603) 742-2346

E-mail: repair@aemc.com

Caution: To protect yourself against in-transit loss, we recommend that you insure your returned material.



NOTE: You must obtain a CSA# before returning any instrument.

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