Air Quality Logger
Model 1510

Quick Start Guide
ENGLISH

Measure up

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AEMC®
INSTRUMENTS

CHAUVIN ARNOUX GROUP

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 its published specifications.

An N.I.S.T. 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**.

Serial #:

Catalog #:

Model #:   1510

Please fill in the appropriate date as indicated:

Date Received:

Date Calibration Due:

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d.b.a AEMC® Instruments
www.aemc.com

Thank you for purchasing the Air Quality Logger Model 1510. For best results from your instrument:

- **read** these operating instructions carefully
- **comply** with the precautions for use

⚠	WARNING, risk of DANGER! The operator must refer to these instructions whenever this danger symbol appears.
ℹ	Information or useful tip.
⊟₊	Battery.
🧲	Magnet.
♻	The product has been declared recyclable after analysis of its life cycle in accordance with the ISO14040 standard.
♻	AEMC has adopted an Eco-Design approach in order to design this appliance. Analysis of the complete lifecycle has enabled us to control and optimize the effects of the product on the environment. In particular this appliance exceeds regulation requirements with respect to recycling and reuse.
CE	Indicates conformity with European directives and with regulations covering EMC.
🗑	Indicates that, in the European Union, the instrument must undergo selective disposal in compliance with Directive WEEE 2002/96/EC. This instrument must not be treated as household waste.

Precautions

This instrument is compliant with safety standard IEC 61010-2-030, for voltages up to 5V with respect to ground. Failure to observe the following safety instructions may result in electric shock, fire, explosion, and damage to the instrument and/or the installation in which it is located.

- The operator and/or the responsible authority must carefully read and clearly understand all precautions to be taken prior to using the instrument. Thorough knowledge and awareness of electrical hazards are essential when using this instrument.
- Observe the conditions of use, including temperature, relative humidity, altitude, pollution degree, and location of use.
- Do not use instrument if it appears damaged, incomplete, or improperly closed.
- Before each use, check the condition of the housing and accessories. Any item on which the insulation is deteriorated must be set aside for repair or disposal.
- Never make measurements in atmospheres contaminated by solvents, which could damage the sensor.
- All troubleshooting and metrological checks must be done by accredited personnel.

INITIAL SETUP

Installing Batteries

1. Press the tab of the battery compartment cover and lift it clear.

2. Remove the battery compartment cover.

3. Insert the new batteries, ensuring correct polarity.

4. Close the battery compartment cover; ensuring it is completely and correctly closed.

Connecting to a Computer

Some Model 1510 features (such as measurement units and min/max settings) can be configured through the instrument keypad. Others require the instrument to be connected to DataView® for configuration. (For detailed setup instructions, see the User Manual in the USB drive that comes with the instrument.)

To connect the Model 1510 to your computer:

1. Install the DataView® software, making sure to select the Data Logger Control Panel as an option (it is selected by default). De-select any Control Panels you do not need.

2. If prompted, restart the computer after installation is complete.

3. Connect the instrument to the computer using a USB cable or pair with Bluetooth.

4. Wait for the drivers to install. The drivers are installed the first time the instrument is connected to the computer. The Windows operating system will display messages indicating when the installation is complete.

5. Start the Data Logger Control Panel by double-clicking the **Data Logger** shortcut icon in the **DataView** folder placed on the desktop during the installation.

6. Click **Instrument** in the menu bar, and select **Add an Instrument**.

7. The **Add an Instrument Wizard** dialog box opens. This is the first of a series of screens that lead you through the instrument connection process. The first screen prompts you to select the connection type (USB or Bluetooth). Choose the connection type and click **Next**.

8. If the instrument is identified, click **Finish**. The instrument is now communicating with the Control Panel.

9. When you are finished, the instrument will appear in the **Data Logger Network** branch in the Navigation frame, with a green check mark indicating a successful connection.

Setting the Instrument's Clock

To ensure an accurate time stamp of measurements recorded in the instrument, set the instrument's clock as follows:

1. Select the instrument in the Data Logger Network.

2. In the menu bar, select **Instrument**. In the drop-down menu that appears, click **Set Clock**.

3. The **Date/Time** dialog box appears. Complete the fields in this dialog box. If you need assistance, press **F1**.

4. When you are finished setting the date and time, click **OK** to save your changes to the instrument.

INSTRUMENT CONFIGURATION

In addition to setting the instrument's clock, other basic setup tasks include:

- Enabling Bluetooth
- Setting measurement units
- Activate/deactivate alarm buzzer

Each of these tasks can be performed on the instrument or in DataView. Detailed information for configuring the instrument via the DataView Data Logger Control Panel is available by pressing the **Help** button.

For performing these tasks through the instrument interface, proceed as follows.

Bluetooth Enable

Long press (>2 seconds) the $\overset{\text{HOLD}}{\ast}$ button to enable/disable Bluetooth.

Temperature Units

Long press $\overset{\text{MODE}}{\text{C / F}}$ to toggle between °F and °C.

Alarm Buzzer Activation

Press the $\overset{\cdot \not\cdot \cdot}{\text{ECO}}$ button; and while holding it down press $\overset{\text{MODE}}{\text{C / F}}$. The ●))) icon appears on the screen.

OPERATION

Making Measurements

1. Place the meter in the location to be measured.

2. If the instrument is OFF, press and hold down the ⏻ button until it turns ON. After a few moments the instrument displays the CO_2 measurement.

3. To display temperature and humidity along with CO_2, press the $\frac{MODE}{C/F}$ button twice. The symbol **3D** appears on the screen.

4. To change the temperature units of measure, long-press $\frac{MODE}{C/F}$. The instrument will continue to use this unit when next turned ON.

ECO (Energy Saving) Mode

ECO mode saves energy when the Model 1510 measures air quality over a long period. The backlighting and the buzzer are deactivated, and CO_2 is measured only once every 10 minutes. This saves the batteries. In addition, the instrument automatically activates "sleep" mode between 4:30 p.m. to 8:30 a.m. These times can be changed using DataView software (see § 3).

1. Long-press $\frac{-\dot{x}-}{ECO}$ (>2 seconds) to activate ECO mode. The symbol **ECO** appears on the display.

2. Long-press $\frac{-\dot{x}-}{ECO}$ a second time to return to normal operation.

Recording Measurements

You can start and stop a recording session on the instrument. Recorded data is stored in the instrument's memory, and can be downloaded and viewed on a computer running the DataView Data Logger Control Panel.

You can start a manual recording session in any mode except **P_REC** (Programmed Recording). After recording is in progress, you cannot change modes.

1. Long-press **REC** (>2 seconds) to start a manual recording. The symbol **M_REC** appears on the display.
2. Long-press **REC** a second time to stop recording.

To schedule recording sessions, and download and view recorded data, see the DataView Data Logger Control Panel Help.

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#). 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 or (603) 749-6309
E-mail: repair@aemc.com

(Or contact your authorized distributor.)

Cost for repair, standard calibration, and calibration traceable to N.I.S.T. are available.

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, fax, or e-mail our technical support team:

Contact: Chauvin Arnoux®, Inc. d.b.a. AEMC® Instruments
Phone: (800) 945-2362 (Ext. 351) • (603) 749-6434 (Ext. 351)
Fax: (603) 742-2346
E-mail: techsupport@aemc.com

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