

- SIMPLE LOGGER® II
TRMS VOLTAGE MODEL

L261



Owner's Record

The serial number for the Simple Logger® II is located on the back of the case. Please record this number and purchase date for your records.

SIMPLE LOGGER® II

MODEL #: _____

SERIAL #: _____

PURCHASE DATE: _____

DISTRIBUTOR: _____

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INTRODUCTION

WARNING

These safety warnings are provided to ensure the safety of personnel and proper operation of the instrument.

- Read the instruction manual completely and follow all the safety information before attempting to use or service this instrument.
- Never exceed the maximum working voltage ratings given.
- NEVER open the back of the instrument while connected to any circuit or input.
- Always inspect the instrument accessories and leads prior to use. Replace any defective parts immediately with factory parts.

1.1 International Electrical Symbols

	Signifies that the instrument is protected by double or reinforced insulation.
	Indicates a WARNING and that the operator must refer to the user manual for instructions before operating the instrument. Failure to follow or carry out any instructions preceded by this symbol in the user manual may result in personnel injury or damage to the instrument and installations.
	Risk of electric shock. The voltage at parts marked with this symbol may be dangerous.
	Refers to a type A current sensor. This symbol signifies that application around and removal from HAZARDOUS LIVE conductors is permitted.
	Refers to a type B current sensor. Do not apply around or remove from HAZARDOUS LIVE conductors without additional protective means (de-energizing the circuit or wearing protective clothing suitable for high voltage work).
	In conformity with WEEE 2002/96/EC

1.2 Definition of Measurement Categories

- Cat. I:** For measurements on circuits not directly connected to the AC supply wall outlet such as protected secondaries, signal level, and limited energy circuits
- Cat. II:** For measurements performed on circuits directly connected to the electrical distribution system. Examples are measurements on household appliances or portable tools.
- Cat. III:** For measurements performed in the building installation at the distribution level such as on hardwired equipment in fixed installation and circuit breakers.
- Cat. IV:** For measurements performed at the primary electrical supply (<1000V) such as on primary overcurrent protection devices, ripple control units, or meters

1.3 Receiving Your Shipment

Upon receiving your shipment, make sure that the contents are consistent with the packing list. Notify your distributor of any missing items. If the equipment appears to be damaged, file a claim immediately with the carrier and notify your distributor at once, giving a detailed description of any damage. Save the damaged packing container to substantiate your claim.

1.4 Ordering Information

Simple Logger® II Model L261 Cat. #2126.05
(1-Channel, TRMS 600VAC)

Includes USB cable, DataView® CD-ROM, 2x1.5V AA-cell alkaline batteries, 1 set of leads, one set of alligator clips, user manual and warranty card.

1.4.1 Accessories and Replacement Parts

Lead-Set of 2, Color-coded 5 ft w/color-coded alligator clips
(Rated 600V Cat IV, 15A) **Cat. #2140.62**

Order Accessories and Replacement Parts Directly Online

Check our Storefront at www.aemc.com/store for availability

PRODUCT FEATURES

2.1 Description

The Simple Logger® II Model L261 is a one channel recording device powered by an alkaline battery pack. Line tracking is performed such that 64 samples over one line cycle are taken. Frequency tracking is performed over the range of $\pm 2\text{Hz}$ around the nominal line frequency (50 or 60Hz). Harmonic measurements are calculated from these 64 samples (Harmonics are only available from the Simple Logger® II Control Panel within the DataView® application).

The Simple Logger® II records TRMS at a rate of up to eight times per second. The measurement process is performed no more than eight times per second. TRMS calculations are performed on a single line cycle. This means that the input(s) are ignored between measurement intervals.

The main advantage of the logger is its ability to perform a variety of recording tasks with easy and intuitive setup from a computer using DataView® software.

Analog information on the input is sampled and converted to a digital signal. This digital signal is processed and stored along with scale and time information. An optically isolated Universal Serial Bus (USB) port provides for the transfer of data from the instrument's internal memory to the computer for analysis. Figure 2-1 shows a block diagram of the logger.

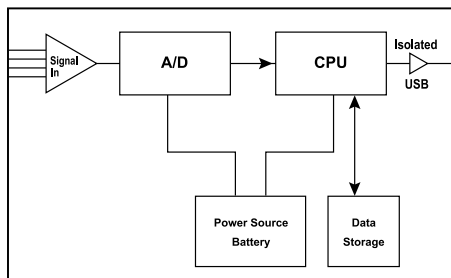


Figure 2-1. Data Logger Block Diagram

2.2 Control Features

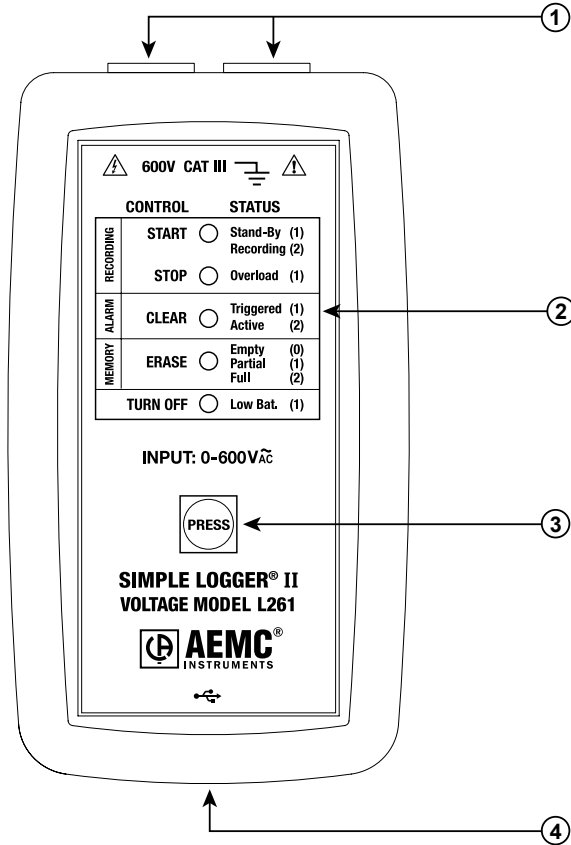


Figure 2-2. Key Components and Features

1. **4mm Safety Banana Input Termination - located on the top of the instrument**

2. **Five LED Indicators**

The LEDs on the instrument serve two functions: control operation and status function.

- The control operation (function when holding down the PRESS button) is indicated with text to the left of each LED.
- The status function (function when PRESS is not being held down) associated with each LED is indicated with text to the right of each LED.
- Refer to § 4.1 for detailed descriptions of each LED.

3. Control Button (PRESS)

This button marked “PRESS” selects the mode of operation. Use this button to start or stop recordings, erase the memory, clear alarms and turn the instrument ON/OFF.

4. Female Type Mini-B USB Connector - located on the bottom of the instrument

5. Reset Button (not shown)

The **RESET** button resets the CPU and is located under the top cover. To access this button, remove the battery compartment cover, remove the four screws holding the two halves of the case together. The reset switch is the smaller switch located on the exposed PCB.

6. Flash Upgrade Switches (not shown)

These two switches (accessible from under the top cover), along with the **RESET** button (and PC software), are used to recover from a failed flash upgrade procedure.



WARNING: If the **RESET** button is pressed when the logger is recording, it will stop recording and data in memory may be lost.

SPECIFICATIONS

3.1 Electrical

Reference Conditions: 23°C ± 3°C, 30-50% RH, DC or 50/60 Hz, battery voltage: 3V ± 10%.

MODEL	L261
Channels	One
Input	Two Recessed Banana Jacks
Voltage Range	0 to 600V
Resolution	0.1V
Accuracy (50/60Hz)	0 to 5V unspecified 5 to 50V: ±(0.5% of Reading + 1V) 50 to 600V: ±(0.5% of Reading + 0.5V)
Sample Rate	64 samples/cycle
Storage Rate	Programmable from 125mS to 12 hrs
Storage Modes	Start/Stop, FIFO and Extended Recording Mode* (XRM™)
Recording Length	1 minute to 8 weeks, programmable using DataView®
Memory	240,000 measurement (512KB) The recorded data is stored in non-volatile memory and will be retained even if the battery is low or removed.
Communication	USB 2.0 optically isolated
Power Source**	2x1.5V AA-cell alkaline batteries
Battery Life	100 hours to > 45 days (dependent on sample rate and recording length)

**This unique recording mode provides the opportunity to continuously record over long periods of time by reducing the stored sample resolution of the oldest data and maintaining matching resolution for the newest data. Each time the memory fills up using XRM™, every other of the oldest stored samples is discarded making room for newer samples. This process continues until the recording is manually stopped.*

***A memory backup capacitor provides backup power while the batteries are being changed. This backup capacitor will maintain the instrument for up to 10 seconds without batteries installed. After 10 seconds the date, time and configuration will need to be reset (no data will be lost). If the unit is connected to DataView® via a PC, the battery life is 100 hours regardless of the storage rate.*

3.2 Mechanical

Dimensions: 4.94 x 2.75 x 1.28" (125 x 70 x 32mm)

Weight (with battery): 6.4 oz (181 grams)

Case: UL94-V0

Vibration: IEC 68-2-6 (1.5mm 10 to 55Hz)

Shock: IEC 68-2-27 (30G)

Drop: IEC 68-2-32 (1m)

3.3 Environmental

Operating Temperature: 14° to 122°F (-10° to 50°C)

Storage Temperature: -4° to 140°F (-20° to 60°C)

Relative Humidity: 0 to 85% @ 95°F (35°C), Non-condensing

Altitude: 2000m

3.4 Safety

600V Cat. III

300V Cat. IV

**All specifications are subject to change without notice*

OPERATION

4.1 LED Control Operation and Status Function

The ON/OFF state of the instrument can be determined by pressing the **PRESS** button for less than 0.5 seconds. If the instrument is ON, the status of the instrument will be shown by the LEDs. If the instrument is OFF no indication will be given (the LEDs will not blink).

The instrument is turned ON by pressing the **PRESS** button until all LEDs light. At this point, the button can be released and the instrument will remain in the ON state. If the button is released before all the LEDs light (in unison), the instrument will remain in the OFF state.

When holding the **PRESS** button while the instrument is ON, each LED will light in sequence. If the LEDs light in sequence, continue to hold the **PRESS** button until the last LED lights and then goes OFF. At this point, releasing the button will result in no action being taken. This provides a mechanism to cancel (or ignore) the button press.

Control of the instrument is performed by pressing and holding the **PRESS** button (while the instrument is ON) until the control LED corresponding to the desired operation lights. Releasing the button when the desired control LED is illuminated results in the corresponding operation being performed.

Turning the instrument OFF (pressing and holding the **PRESS** button until the Blue LED lights), will not terminate an active recording or prevent a scheduled recording from starting. While the instrument is OFF, it will momentarily turn ON for each scheduled sample interval. This operation will make sure that a scheduled recording will begin and sample intervals will be stored even while the instrument is OFF.

The **control operation** of each LED is as follows:

- **GREEN:** Starts a recording
- **ORANGE:** Stops a recording
- **YELLOW:** Clears the alarm state
- **RED:** Erases the memory
- **BLUE:** Turns the instrument OFF

The **status function** of each LED is as follows:

GREEN	STATUS
LED OFF	Logger is turned OFF or in Low Power Standby state*
LED Single-blink	Logger is in Standby Mode (and not recording)
LED Double-blink	Logger is in Record Mode

ORANGE	STATUS
LED OFF	Logger is not in an Overload condition
LED Single-blink	One or more inputs are in an Overload condition

YELLOW	STATUS
LED OFF	No alarm has been seen on any input
LED Single-blink	At least one channel has seen an alarm at least once
LED Double-blink	At least one channel is currently in an alarm condition

RED	STATUS
LED OFF	No data in memory
LED Single-blink	Memory is partially filled
LED Double-blink	Memory is full

BLUE	STATUS
LED OFF	Battery voltage is above 1.8 volts
LED Single-blink	Battery voltage is below 1.8 volts

**To determine whether the unit is OFF or in Low Power Standby state, press the PRESS button for 0.5 seconds. If the LED blinks, it is not OFF.*



Note: Overload occurs when any input is 10% above its input range. When the battery voltage goes below 1.7 volts the instrument will shut down (terminating the recording, if it is recording).

In the STANDBY and OFF modes, the logger retains recorded information for transfer to a computer.

Both of these modes have low power states, which require very little power from the battery. The LEDs will not blink at this time. By using these low power states, the instrument can be programmed to start recording at some time in the future without draining the batteries.

- **STANDBY mode:** The instrument enters the low power state if the button is not pressed for one minute. It will remain in this state until either the button is pressed or the internal clock reaches the start time for a scheduled recording.
- **RECORD mode:** The instrument enters the low power state between sample sets. The slower the storage rate, the greater the portion of time the instrument is in the low power state. Thus, the slower the storage rate, the longer the instrument can record.

4.2 Connecting the Simple Logger® II to a Computer



INSTALL THE DATAVIEW® SOFTWARE BEFORE CONNECTING THE SIMPLE LOGGER® II TO THE COMPUTER.

Figure 4-1 shows a typical hook-up. The Simple Logger® II utilizes an optically isolated USB communication port.

Refer to the computer manual to locate the USB port on your computer.

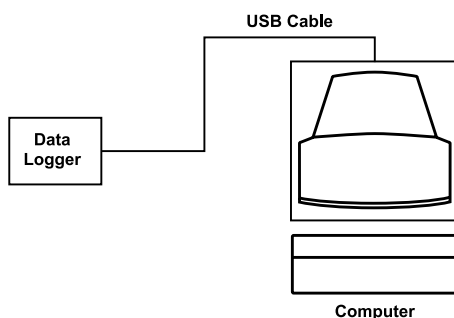


Figure 4-1

The logger can be connected to the computer during a recording session, however, additional battery drainage will occur to support the active USB connection.

4.3 Turning the Unit On

Turn the instrument ON by performing one of the following:

- Press and hold the **PRESS** button for approximately 2 seconds. Release the button after all five LEDs light up in unison. The unit is now in the STANDBY mode (Green LED single-blinks).
NOTE: if the LEDs light in sequence the instrument is already ON. In this case continue to hold the **PRESS** button until all LEDs are OFF.
- Connect the instrument to a USB port on your computer and establish communication with the instrument using DataView®. The logger will remain ON while a communication link with DataView® is active (provided sufficient battery power is available during the communication session).

The instrument contains protection circuitry to prevent it from being turned on when the battery voltage is below 1.7V.

There are two thresholds for the battery voltage:

- **The first is used to indicate low battery.** The low battery indicator will blink when the battery voltage drops below 1.8V.
- **The second is used to determine when to terminate recording and turn the unit off.** The shutdown threshold is when the battery voltage drops below 1.7V.

4.4 Recording Data



NOTE: The Simple Logger® II is factory configured and may be altered to fit the users needs (see the *Configuring the Simple Logger® II* section inside the DataView® user manual).

Once a configuration is written to the instrument, the logger will no longer need to be connected to DataView® to start the configured recording.

When data is stored in the memory, the user may download the information onto a hard-disk (see the *Downloading Recorded Instrument Data* section inside the DataView® user manual).

4.4.1 Starting a Recording Session



NOTE: A new recording cannot be started if the memory is full.

1. Connect the instrument to the measurement source.
2. Make sure the logger is in **STANDBY** mode (see § 4.3).
3. Press and hold the **PRESS** button. When the **START** (GREEN) LED lights up, release the button.
4. Verify that the GREEN LED double-blinks to ensure that the logger is recording.

4.4.2 Stopping a Recording Session

1. Press and hold the **PRESS** button. When the **STOP** (ORANGE) LED lights up, release the button.
2. The GREEN LED will change from a double-blink to a single-blink, indicating STANDBY mode.

The data will be retained, even if the instrument is turned OFF. The recorded data is stored in Flash memory, meaning that it will be maintained even in the absence of batteries. The recorded data may be downloaded to a computer.

4.5 Downloading Recorded Data

Recorded measurements stored in the instrument are transferred to a database on a hard-disk via the download command in the Simple Logger® II Control Panel. For complete instructions on downloading data, see the *Downloading Recorded Instrument Data* section inside the DataView® user manual that shipped with the instrument.

4.6 Erasing Data from Memory

Erasing data from the instrument's memory can only be performed while in the STANDBY mode.

There are two ways to erase the memory:

Erasing the Memory using the PRESS Button:

1. Press and hold the **PRESS** button. When the **ERASE** (RED) LED lights up, release the button.
This will arm the instrument for an erase operation (when not in record mode). While armed to erase memory, the RED LED will blink at a fast rate for a period of five seconds.
2. Press the **PRESS** button for another 0.5 seconds to complete the erase operation.



NOTE: If the button is not pressed within five seconds of arming, the erase operation will automatically disarm and memory will be maintained. For this reason, if you do not intend to erase memory, simply wait until the RED LED stops blinking at the fast rate.

Erasing the Memory using DataView®:

1. Connect the instrument to the computer, then open the Simple Logger® II **Control Panel**.
2. Select **Erase Memory** from the **Instrument** Menu.
3. A dialog box will appear asking to confirm the erasure of instrument memory. Select **Yes** to confirm or **No** to cancel the operation.

4.7 Data Storage

The logger captures trend measurements.

The following are a few definitions that will help with the understanding of this section.

Input Channel: Source for the measurement channel of the instrument.

Measurement Channel: Measurement of input. This can be a simple direct measurement, the result of complex mathematical operations on a single or multiple input, or other channels.

Sample Rate: The rate at which the instrument measures inputs.

Storage Rate: The rate at which channel measurements are stored.

4.7.1 Trend Measurements

The logger stores the TRMS calculation of each of the inputs. In addition, the user can define the storage rate, recording period and measurement format using the **Configure Instrument** dialog box in the Simple Logger® II Control Panel software. Trend measurements are stored at this fixed storage rate.

4.8 Normal Operation

Following is a detailed description of the logger operation.

4.8.1 Normal Operating Environment

When the instrument is turned ON, the following occurs (provided there is sufficient battery voltage and no data is stored in the instrument's memory):

- The GREEN LED single-blinks. (STANDBY mode is active and the logger is not recording)

- The RED LED is OFF, indicating there is no data in memory
- The **PRESS** button is used to Start and Stop a Recording Session
- If the **PRESS** button is not pressed for a period of one minute, the instrument will enter a low power STANDBY mode and wait for either another button press or the recording start time to arrive (if a recording is scheduled). While in the low power STANDBY mode, the LEDs will not blink.
- A button press of 0.5 seconds will return the unit back to the normal STANDBY mode

Event: Recording with Memory Cleared

When a recording starts, the logger will continue to record until one of the following occurs:

- The Session is complete
- The Memory is full and the recording mode is Start/Stop
- The **PRESS** button is pushed until the STOP (ORANGE) LED lights up and is released before the next LED lights
- The Stop Recording command from the Simple Logger® II Control Panel is sent to the unit
- The battery voltage falls below 1.7V

Event: Recording with a Partial or Full Memory

If the RED LED is double-blinking, the memory must be cleared before any further recording can be performed.

If the RED LED is single-blinking prior to starting a New Recording Session, the memory is partially full.

To save, clear or check memory availability, use the Simple Logger® II Control Panel software.

There may be instances where the GREEN LED is also double-blinking indicating that the logger is still recording. The user can choose to stop the Recording Session and download the saved session(s) and/or clear the memory.



NOTE: The logger memory cannot be erased while in the Record mode. The recording must be stopped first.

Event: Memory Filled During Recording Session

If the logger is recording using the Start/Stop mode and memory is filled before the Recording Session has finished, the session will end.

The following happens:

- The RED LED double-blinks
- The GREEN LED single-blinks

At this time:

- The memory can be downloaded and cleared
- A new recording can be started or scheduled once the memory is cleared

Event: Battery Power is Insufficient for a Full Recording Duration

If the battery voltage drops below 1.7V, the following will occur:

- The Recording Session will terminate
- The Data will be saved
- The GREEN and RED LED will turn OFF

The logger continues to record until the battery voltage drops below 1.7V. Pressing the **PRESS** button may not turn the unit ON at all. The battery voltage may rise slightly after the unit turns itself off. In this event, the unit may turn on momentarily as a result of a button press.

The batteries must be replaced before the recorded session(s) can be downloaded from the instrument.



NOTE: Replacing the batteries while the unit is OFF will not result in the loss of data memory. The internal backup capacitor will maintain the clock and memory while the main batteries are being replaced. If the battery level falls below the usable level or if the batteries have been removed for an extended period of time, the clock time will be lost. However, the recorded memory will be maintained since it is stored in Flash memory.

Event: Recording Session has Ended

The logger will be in STANDBY mode if one of the following occurs:

- The session terminates due to recording end time being reached when recording in the Start/Stop mode.
- The recording in Start/Stop mode fills the memory.
- The user terminates the session by pressing the **PRESS** button until the STOP (ORANGE) LED lights up and releasing the button before the next LED lights, or issues a Stop Recording command from the Simple Logger® II Control Panel.

Under these conditions, it is possible to turn the logger ON from the computer to download the data, if the batteries have sufficient power.

The logger is now ready for a New Session or Download. Pressing the **PRESS** button until the START (GREEN) LED lights up and releasing the button before the next LED lights, will start a New Session depending on the available memory.

4.9 Reset Button Operation

The **RESET** button resets the CPU and is located under the top cover. To access this button, remove the battery compartment cover, remove the four screws holding the two halves of the case together. The reset switch is the smaller switch located on the exposed PCB.



NOTE: It is recommended to only press the **RESET** button when the logger stops responding to a normal press button control when not connected to DataView®. It is not recommended to reset the instrument when the logger is recording, downloading or being configured.

Pressing the **RESET** button when the logger is ON will cause the instrument to reset its internal clock and set the memory available to zero. The **RESET** button should only be pressed as a last resort.

If the logger is not responding to a button press, make sure the unit has sufficient battery power. If the battery voltage is below 1.7V, the unit will not respond to a button press. In this condition, pressing the **RESET** button will not restart the unit but will cause it to reset the internal clock.



WARNING: In an effort to preserve recorded memory, the instrument's memory will be marked as full when the **RESET** occurs. Download any desired session, then erase the memory before starting a new recording.

**Event: Pressing the RESET Button while Recording
(not recommended)**

- The recording session ends and the GREEN LED changes from a double-blink to a single-blink.
- The RED LED double-blinks to indicate that the memory is full.
- Some portion of recorded data will be lost. Sample data is buffered and assembled into small packets before it is written to Flash. Data that has not yet been written to Flash will be lost.

Event: Pressing the RESET Button when a Recording has Ended

- The GREEN LED single-blinks.
- The unit indicates that the memory is full (double-blinking RED).

Event: The Logger is Waiting for a New Recording Session

If the **RESET** button is pressed when a recording has been scheduled, the logger will not start recording at the previously programmed date and time.

The unit indicates that memory is full (double-blinking RED).



NOTE: The resumption of the logger operation in the above situations assumes that the **RESET** button cleared the fault(s). The logger will not resume normal operation if the fault condition still exists.

MAINTENANCE

Use only factory specified replacement parts. AEMC® will not be held responsible for any accident, incident, or malfunction following a repair done other than by its service center or by an approved repair center.

5.1 Changing the Batteries



WARNING: Turn the unit off before changing the batteries or loss of recorded data may occur. Disconnect the unit from any voltage measurement points before opening the rear cover to change the batteries.

- Remove the screw from the battery cover
- Slide off cover to remove
- Replace with only 1.5V AA alkaline batteries, then replace cover
- Press the **PRESS** button for 2 seconds to turn ON

NOTE: It is recommended to store the unit with the batteries in it to preserve the internal clock. If the instrument is stored without the batteries installed, the internal clock will need to be reset using the Simple Logger® II Control Panel software once the batteries are installed.

An additional memory backup capacitor is used to provide backup power while the main batteries are being changed. This backup power will last for approximately 10 seconds while batteries are not installed.

5.2 Cleaning



WARNING: Disconnect all inputs before cleaning.

The body of the logger should be cleaned with a cloth moistened with soapy water. Rinse with a cloth moistened with clean water. Do not submerge the logger in water. Do not use solvent.

TROUBLESHOOTING

Symptom: After being in a damp, cold environment, the logger does not function.

Cause, Correction: Condensation may have formed inside the logger, shorting out the circuitry and discharging the battery. Allow the circuit board to dry thoroughly in a warm location.

Symptom: Simple Logger® II does not start recording.

Cause, Correction: Make sure battery power is present. Make sure the PRESS button is pushed long enough to light the GREEN LED and released before the next LED lights. Make sure the RED LED is not double-blinking. If it is, memory is full and you need to erase the data (see § 4.6). Make sure the Simple Logger® II is properly configured so that you have Storage Rate, Recording Period and at least one Measurement Channel specified.

Symptom: Simple Logger® II does not respond to a button press even with fresh batteries installed.

Cause, Correction: Make sure that the instrument is not OFF. Press the button for a short duration (less than 0.5 seconds). If the LEDs do not flash, then the instrument is OFF. Turn the instrument ON by pressing the PRESS button for two seconds. The LEDs will light solid once the instrument has turned on and you may release the button at that time.

GLOSSARY

Some general terminology associated with the data collection process is listed here for convenience.

Bps: Bits Per Second, a unit of signal transfer speed equal to the number of elements per second. The Simple Logger® II transfers data at the rate of 115200 bps.

Button: An actual key on the logger or computer keyboard or a soft key in the program on the computer screen.

Data logger: A device used to sample and store electrical signals representative of physical phenomena such as temperature, pressure and flow, for long periods of time in an unattended environment.

Download: The process of transferring data from the logger to the computer.

Hz: Hertz, a unit of measure of frequency equivalent to cycles per second.

I/O: Input/output, a device or port capable of sending or receiving digital information.

Port: A name given to any connector allowing input or output of information.

Processor: A computing device used to calculate and run a set of instructions.

Recording session: A recording session is defined as the time and data contained within the starting and ending of a recording.

Resolution: The number of bits in which digitized values will be stored.

Ride-through: Time during which the AC line voltage has dropped sufficiently low to not be able to power the instrument.

Zoom: The ability to select a section of the graph and magnify it for better readability.

USB: Universal Serial Bus, a communications port used to access the Data Logger via a computer program (Dataview®).

Repair and Calibration

To ensure that your instrument meets factory specifications, we recommend that it be scheduled 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)

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

Chauvin Arnoux®, Inc. d.b.a. AEMC® Instruments
200 Foxborough Boulevard
Foxborough, MA 02035 USA
Phone: (800) 343-1391
(508) 698-2115
Fax: (508) 698-2118
E-mail: techsupport@aemc.com
www.aemc.com

NOTE: Do not ship Instruments to our Foxborough, MA address.

Limited Warranty

The Simple Logger® II is warranted to the owner for a period of one year 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.

For full and detailed warranty coverage, please read the Warranty Coverage Information, which is attached to the Warranty Registration Card (if enclosed) or is available at www.aemc.com. Please keep the Warranty Coverage Information with your records.

What AEMC® Instruments will do:

If a malfunction occurs within the one-year 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, at its option, repair or replace the faulty material.

**REGISTER ONLINE AT:
www.aemc.com**

Warranty Repairs

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

First, request a Customer Service Authorization Number (CSA#) by phone or by fax from our Service Department (see address below), 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:

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

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

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



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