

AEMC Two Channel Process Data Logger

NEW

- Bluetooth enabled logger & event counter
- Records DC voltage, DC current, 4-20mA and pulse counts
- Two independent inputs
- 32MB internal flash memory
- Alphanumeric LCD screen
- Menu-based front panel setup
- Powered by batteries or USB cable
- DataView software for data download, display, analysis & report generation



Two input channels allow the user to connect to various types of sensors in order to record data such as pressure, temperature, flow, humidity and more. This logger can also record machine run time or other events. Each channel's real-time measurement is displayed on the LCD screen.

The L452 communicates via USB or Bluetooth for configuration & data transfer to a PC. It can also be configured using the front panel. The keypad can be locked out from the PC software. Alarms can be set on various measurements.

Includes 6 ft USB cable, 120V wall-to-USB plug, 6-pin screw terminal block, 2 x AA rechargeable NiMH batteries, quick start guide, DataView® software, user manual.

ORDERING INFO

AE/2153.51 Model L452 2-channel Data Logger with DataView software

SPECIFICATIONS

Channels	Two
Input	Six-pin terminal strip
Measurements	DC Current, DC Voltage, Event, Pulse
Range	4 to 20mA, 100mV, 1V, 10V
Resolution	0.01mA, 0.1mV, 1mV, 10mV
Accuracy (% of rdg)	mA: $\pm(0.25\% + 5\text{cts})$; V: $\pm(0.5\% + 1\text{cts})$
Input Impedance	mA: 100 Ω ; V: 1M Ω ; Event: 1M Ω
Sample Rate	mA & V: 5 samples/s; Event: 16 samples/s; Pulse: 100 samples/s
Sample Period	mA & V: 200, 400, 600, or 800ms; or from 1 to 60 sec.
Pulse Detection	10ms
Storage Modes	Start/Stop (ends when memory is full or when the recording stop time is reached, whichever comes first)
Recording Length	10 minutes to 1 year, set via instrument front panel or through DataView® software
Memory	32MB internal Flash memory (up to 1024 logging sessions, 16M samples)
Communication	Bluetooth 2.1, Class 1 or USB 2.0
Power Source	Internal: 2 x AA NiMH rechargeable batteries (charges through USB port); External: via USB connector
Battery Life	Up to 180 days (dependent on storage rate/recording length)
Dimensions	1.275" x 2.578" x 5.413" (32.4 x 65.5 x 137.5mm)
Operating Temp.	32 to 122°F (0 to 50°C), 16 to 85% RH
Protection	IP 40 (instrument); IP 20 (instrument & terminal strip)

AEMC Indoor Air Quality Monitor/Logger

- Simultaneously monitors and displays CO₂, Temperature and Humidity
- Stores up to 1,000,000 measurements
- Easy-to-read comfort indicators
- Simple data download via USB cable or wireless Bluetooth
- Wall mount or stand-alone use
- Selectable operating modes/log rates



The CA1510 is compliant with the latest standards for measuring CO₂ to assess ventilation system indoor air quality. It is also an accurate preliminary diagnostic indicator, with alarms set at 1000 ppm or 1700 ppm of CO₂. The display blinks with red backlight when any of the measured parameters exceeds the user-selected threshold. The red backlight is solid when levels exceed the upper limit values.

ORDERING INFORMATION

AE/2138.08	Air Quality Logger Model C.A 1510 (Gray)
AE/2138.09	Air Quality Logger Model C.A 1510 (White)
Accessories (Optional)	
AE/2126.45	Bluetooth / Adapter USB
AE/2138.61	Wall Mount Holster (Gray)
AE/2138.62	Desk Stand (White)
AE/2138.63	Calibration Kit
AE/2138.67	Wall Mount Holster (White)
AE/2154.71	Small carrying pouch

Android Compatible Application available FREE at the Google play store.

SPECIFICATIONS

CO₂ Measurement

Type of Sensor	Double-beam infrared cell sensor
Measurement Range	0 to 5000 ppm
Accuracy	± 50 ppm $\pm 3\%$ of value measured
Response time	<200 seconds to 63%
Resolution	1 ppm

Temperature Measurement

Temperature Sensor	CMOS
Measurement Range	14° to +140°F or -10° to +60°C, selectable
Accuracy	$\pm 0.9^\circ\text{F}$ (0.5°C), with 0.1° resolution

Humidity Measurement

Type of Sensor	Capacitive
Measurement Range	5 to 95% RH
Accuracy	$\pm 2\%$ RH, with 0.1% resolution

General

Recording Interval	Programmable from 1 minute to 2 hours
Storage	Up to 1 million measurements
Features	Alarm, Backlighting, Display Hold, Min-Max, Auto Power-Off
Operating Range	14° to +140°F (-10° to +60°C), 5 to 95% RH
Dimensions	4.92 x 2.58 x 1.26" (125 x 65.5 x 32 mm)
Protection	IP40
Compliance	IEC 61010-1, 50V CAT II - IEC 61326-1
Power Supply	2AA Alkaline batteries, USB to wall adapter
Communication	Bluetooth Class 2 wireless communication / USB link;
Mounting	Embedded magnets on backside, tear drop wall hook, optional wall mount and desktop stand

AQR PC Software (included) Graphic representation or as table of values, data export, real-time mode calculation of the confinement index with selection of presence periods & report generation