DATA LOGGERS
TWO-CHANNEL DC VOLTAGE, CURRENT, PULSE & EVENT

IP 20 | with terminals

MODEL L452

Bluetooth®-enabled logger and event counter that records DC voltage, DC current, (4 to 20) mA or pulse counts

Real-time display!

Powered by batteries or through a USB

DataView®

SCAN TO LEARN MORE

MODEL	L452			
ELECTRICAL				
Channels	Two*			
Input	Six-pin terminal strip			
Measurements	DC Current	DC Voltage	Event	Pulse
Range	(4 to 20) mA	100 mV, 1 V, 10 V	N / A	
Accuracy *(% of Reading)*	± (0.25 % + 5 ct)	± (0.5 % + 1 ct)	N / A	
Resolution	0.01 mA	0.1 mV, 1 mV, 10 mV	N / A	
Input Impedance	100 Ω	1 MΩ		N / A
Sample Rate	5 samples / s		16 samples / s	100 samples / s
Storage Rate	DC inputs: (200, 400, 600, or 800) ms; or from (1 to 60) s Pulse detection: 10 ms			
Storage Modes	Start / Stop *(ends when memory is full or when the recording stop time is reached, whichever comes first)*			
Recording Length	10 min to 1 year, selectable set via instrument front panel or through DataView®			
Memory	32 MB internal Flash memory *(up to 1024 logging sessions, 16 M samples)*			
Communication	Bluetooth® 2.1, Class 1 or USB 2.0			
Power Supply	External: via USB connector Internal: (2) AA NiMH rechargeable batteries *(charges through USB port)*			
Battery Life	Up to 180 d *(dependent on storage rate / recording length)*			
MECHANICAL				
Dimensions	(1.28 x 2.58 x 5.4) in (32 x 65 x 137) mm			
Weight *(with battery)*	6.7 oz (190 g) with batteries			
Vibration	IEC 60068-2-6 (1.5 mm, (10 to 55) Hz)			
Shock	IEC 60068-2-27 (30 G)			
ENVIRONMENTAL				
Operating Temperature	(32 to 122) °F (0 to 50) °C			
Humidity	(16 to 85) %			
Ingress Protection	IP40 *(instrument alone)*; IP20 *(instrument with terminal strip)*			

*Both channels must have the same input type.
Consult factory for NIST Calibration prices.

Technical Assistance (800) 343-1391

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AEMC® INSTRUMENTS

FEATURES

- Multiple data input types. The L452 can log DC voltage (up to +/- 10 V), DC current, (4 to 20 mA), pulse counts, or events. Measurements can be performed directly on the instrument, or through a variety of sensors. This data is stored in the instrument's large 32 MB internal Flash memory.

- Expanded user interface. You can set up the instrument and view real-time measurement data through the front panel LCD screen and input buttons. The L452 features an onboard menu-based interface for navigating measurement data and selecting configuration options.

- Enhanced DataView® support. The instrument connects to a PC using either Bluetooth® or USB. Once connected, logged data can be downloaded, analyzed, and formatted into reports using the DataView® Data Logger Control Panel. This Control Panel also enables users to change settings on the instrument, view real-time measurements, schedule recording sessions, and perform other configuration tasks.

PRODUCT INCLUDES

6 ft USB cable, US 120 V wall-to-USB plug, 6-pin screw terminal block, (2) AA rechargeable NiMH batteries, a printed quick start guide, a USB drive containing DataView® software and user manual.
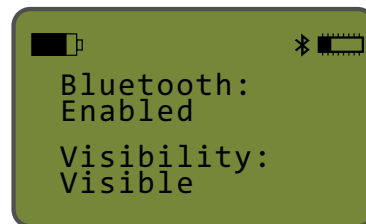

FRONT PANEL & FUNCTIONAL DISPLAYS

- Navigation: Up
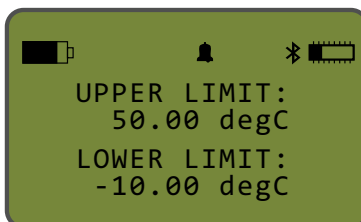- Navigation: Left
- Navigation: Right
- Power: ON/OFF
- Enter
- Navigation: Down

INSTRUMENT CONFIGURATION
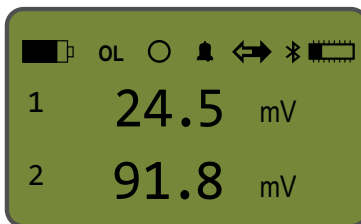
Instrument configuration parameters can be set through the front panel interface.
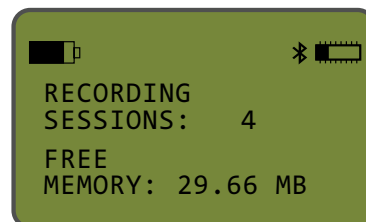
BLUETOOTH® ENABLED/VISIBILITY

Bluetooth: Enabled

Visibility: Visible

Enable and configure Bluetooth® functionality.

ALARM TRIGGERS

UPPER LIMIT: 50.00 degC

LOWER LIMIT: -10.00 degC

Allows you to set the upper and/or lower alarm trigger limits.

RECORDING SESSION


RECORDING SESSIONS: 4

FREE MEMORY: 29.66 MB

Displays the number of recording sessions currently stored in memory. It also shows the amount of free memory left for storing additional recording sessions.

MIN/MAX MEASUREMENTS

1   2.54   m3/s

MAX   2.54   m3/s
MIN   0.22   m3/s
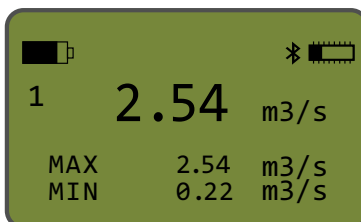
For analog input types, this screen displays the session's MIN/MAX measurement values for each channel.

EVENT MEASUREMENT DATA
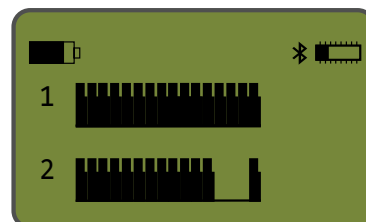
For event input, the Channels 1 & 2 measurement graphic data screen appears.

CAT. #	DESCRIPTION
2153.51	Data Logger Model L452 (2-Channel, w/LCD, 100 mV/1 V/10 Vᴅᴄ, (4 to 20) mAᴅᴄ, Event & Pulse, DataView® Software)

AEMC® INSTRUMENTS

Data*View*®
Data Analysis and Reporting Software

- Display and analyze real-time data on your PC
- Configure all data logger functions and parameters from your PC including sample rate, communication, recording length, channel configuration and more
- Create and store a library of configurations that can be uploaded to the logger as needed
- Pan and zoom through sections of the graph to analyze the data
- Display trend graphs and text summaries
- Print reports using standard or custom templates
- Free software upgrades are available on our website **www.aemc.com**

DataView® software, user manual and quick start guide are included in the USB Drive
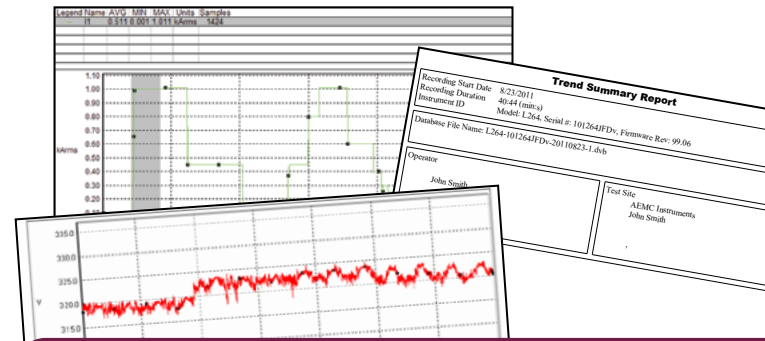
Reports can be displayed on a PC and printed. Each report includes all test results in a tabular and graphic format, as well as operator and test site information. Comments typed by the operator will also be included.
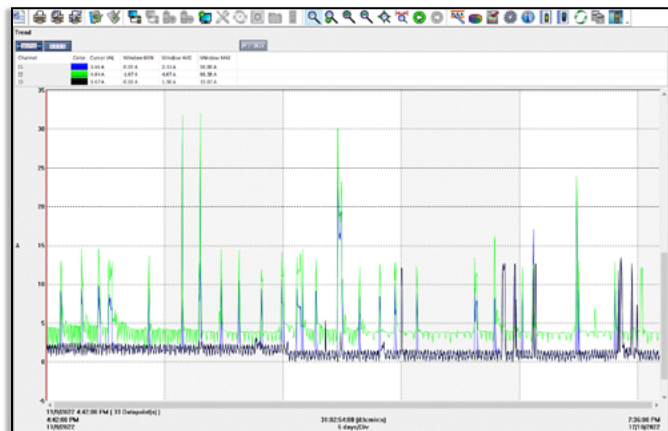
Configuring the data logger's general communication, recording, and instrument options is simple with the DataView® control panel software.

The top left image represents the communication configuration tab with Wi-Fi enabled.

The recording tab provides sample and storage rate selections, recording length and schedule, session type, and the extended recording mode option.

Create, view, edit and store reports from the instrument's recorded data with the included DataView® software.

One month split-phase trend monitoring.

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