

3 & 4 Channel AC Current Data Loggers

MODELS DL913 & DL914

Simple-To-Use

- Includes integral 24-inch flexible current sensors
- Current measurements from 500 mA up to 3600 A
- Frequency measurements
- DataView® software for data storage, real-time display, analysis and report generation
- Rated 600 V CAT IV, 1000 V CAT III, complies with IEC 61010-2-032
- Rechargeable battery and USB power options
- Flame retardant, lightweight, compact, waterproof IP67
- View real-time measurements with LCD display

***Accurate and Reliable
Logging and Monitoring***

Our products are backed by over 130 years of experience in test and measurement equipment, and encompass the latest international standards for quality and safety.

Technical Hotline: (800) 343-1391
www.aemc.com

AEMC®
INSTRUMENTS
CHAUVIN ARNOUX GROUP

FEATURES & KEY SPECIFICATIONS

3 & 4 CHANNEL AC DATA LOGGERS MODELS DL913 & DL914

Waterproof three and four channel AC data loggers with flexible sensors

SPECIFICATIONS

| | | | | | |
|-------------------------------|--|------------------------------------|-------------------------------------|------------------------------------|--------------------------------------|
| MODELS | DL913 / DL914 | | | | |
| ELECTRICAL | | | | | |
| Channels | 3 (DL913) / 4 (DL914) | | | | |
| Inputs | MiniFlex® | | | | |
| Measurement Ranges | 300 AAC / 3000 AAC | | | | |
| Accuracy | 300 A range | | 3000 A range | | |
| | (0.50 to 99.99) A ±(1 %r + 10 D) | (90.0 to 360.0) A ±(1 %r + 4 D) | (4.00 to 99.99) A ±(1 %r + 10 D) | (90.0 to 999.9) A ±(1 %r + 5 D) | (0.900 to 3.600) kA ±(1 %r + 4 D) |
| Resolution | 0.01 A | 0.1 A | 0.01 A | 0.1 A | 1 A |
| Frequency | (45 to 65) Hz ± 0.1 Hz | | | | |
| Storage Rate | Normal recording mode: Once per second Extended recording mode: Four per aggregation period | | | | |
| Recording Length | Battery Power: 4 days with no missing samples (normal recording mode) 7 to 30 days depending on the selected aggregation period (extended recording mode) External Power: 365 days | | | | |
| Memory | Internal (8 GB) | | | | |
| Communication | USB, Wi-Fi via router (Ethernet), or Wi-Fi Direct | | | | |
| Battery Charge Time | 10 hours maximum (Wi-Fi off) | | | | |
| Power Sources | Internal: 4.2 A-h NiMH rechargeable battery pack External: USB connection | | | | |
| MECHANICAL | | | | | |
| Dimensions | (5.9 x 5.9 x 3.57) in (150 x 150 x 91) mm w/o sensors | | | | |
| Weight (with battery) | DL913: 2.2 lbs (1 kg) DL914: 2.42 lbs (1.1 kg) | | | | |
| Sensor/Cable Length | 3 (DL913) or 4 (DL914) integral 24 in (610 mm) MiniFlex® probes with 6.5 ft (2 m) leads | | | | |
| Max. Conductor | 7.64 in (190 mm) | | | | |
| Case | UL94-V0 Flame retardant | | | | |
| Vibration | IEC 68-2-6 (1.5 mm, 10 Hz to 55 Hz) | | | | |
| Shock | IEC 68-2-27 (30 G) | | | | |
| Drop | IEC 68-2-32 (3.3 ft [1 m] in the most severe position without permanent mechanical damage or functional deterioration) | | | | |
| ENVIRONMENTAL | | | | | |
| Operating/Storage Temperature | (14 to 122) °F (-10 to 50) °C / (-40 to 158) °F (-40 to 70) °C | | | | |
| Relative Humidity | Operation: up to 85 % RH (non-condensing) Storage: up to 95 %RH | | | | |



DL913



FEATURES

- Simple-to-use, 3 (DL913) and 4 (DL914) channel AC current data loggers
- 4th channel for neutral current monitoring (Model DL914)
- Includes 3 (DL913) or 4 (DL914) integral 24-inch flexible current sensors
- Current measurements from 500 mA up to 3600 A
- LCD display to view real-time measurements and parameters such as memory, power, and communication status, configure the instrument, and change viewing modes
- Built-in web server for remote monitoring
- Battery and/or USB powered options
- Frequency measurements
- Wi-Fi and USB communications
- Waterproof IP67 rated (USB cap on and cover closed)
- Flame retardant case
- Logged data can be downloaded, analyzed, and formatted into reports using the FREE DataView® software

APPLICATIONS

- Single/Split-phase and 3- or 4-phase load monitoring
- Neutral and ground current monitoring
- Intermittent problem detection
- Machine load monitoring
- Fault current detection
- Load profiling



PRODUCT INCLUDES

Includes small classic tool bag, 10 ft USB Type A to Type B cable, (4) stainless steel mounting brackets, (4) stainless steel M4 machine screws, USB power adapter, quick start guide, and USB thumb drive with DataView® software and user manual.

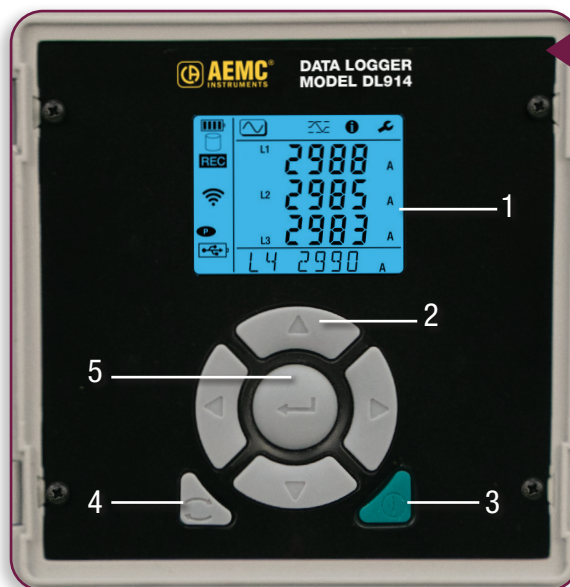
Download the user manual for complete specifications



FUNCTIONAL DISPLAY & SOFTWARE

CONTROL FEATURES - FRONT PANEL

The data logger's LCD display allows the user to configure and set up a recording with selected parameters for which specific user-defined criteria can be applied. Measurements are recorded and can be accessed for analysis and report generation on a PC utilizing our proprietary DataView® software.



Front View

1. LCD displays measurement data and viewing parameters such as memory, power, and communication status.
2. Navigation buttons (Up ▲, Down ▼, Left ◀, Right ▶) navigate the configuration options and measurement screens.
3. Power button ◀ turns the instrument ON and OFF with a press (≥ 3 s) when the instrument is disconnected from external power and not actively recording. A short press (≤ 3 s) turns the LCD backlight on.

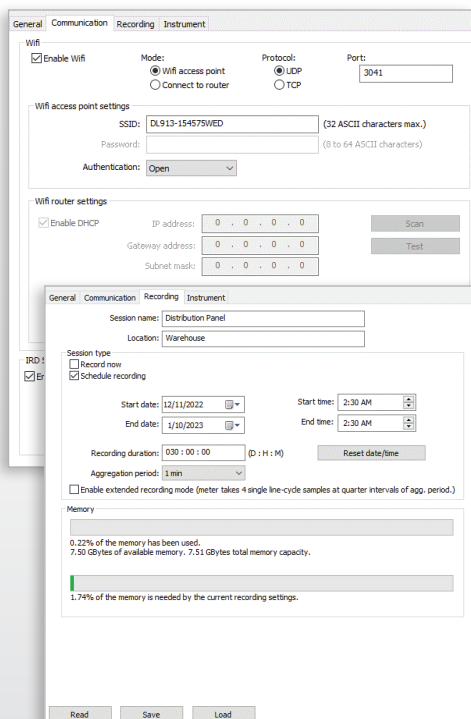
4. Control button ▶ starts and stops recordings and selects and enables the Wi-Fi communication type.
5. Enter button ◀ cycles through the displayed data and options.

DataView®

Data Analysis and Reporting Software

Easy to access, download and view real-time and recorded data!

- 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 you design
- Free software upgrades are available on our website www.aemc.com

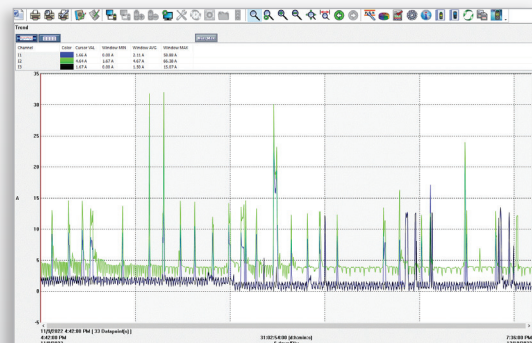


Configuring the data logger's general communication, recording, and instrument options is simple with the DataView® control panel software.

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.

| CATALOG NO. | DESCRIPTION |
|-------------|--|
| 2153.61 | Data Logger Model DL913 (3-channel, TRMS, MiniFlex® 300 A / 3000 A, Wi-Fi, DataView® Software) |
| 2153.62 | Data Logger Model DL914 (4-channel, TRMS, MiniFlex® 300 A / 3000 A, Wi-Fi, DataView® Software) |

United States & Canada

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