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

NEW



DL913



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				

SAFETY 600V CAT IV RATING · SAFETY 1000V CAT III RATING · CE · IP 67 · AUTOMATIC REPORT GENERATION

with USB cap on and cover closed

DataView®

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



Download the user manual for complete specifications

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.

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.

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.



Front View

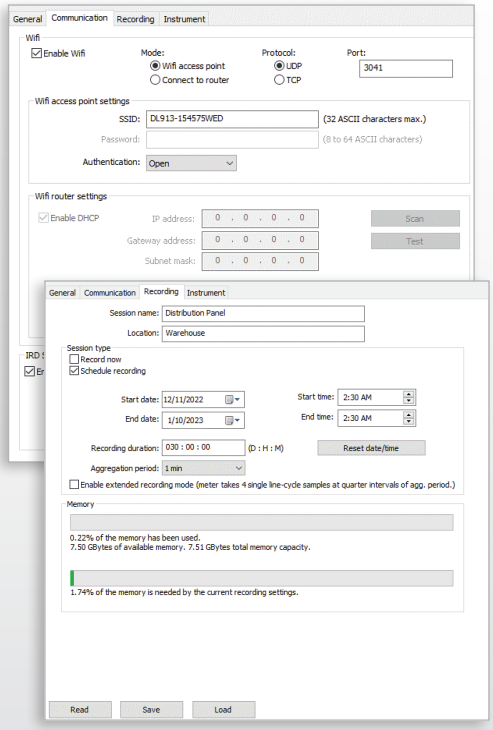
4. **Control button** starts and stops recordings and selects and enables the Wi-Fi communication type.
5. **Enter button** cycles through the displayed data and options.

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

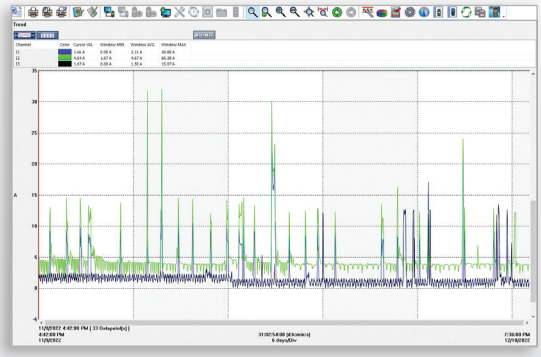


Configuring the data logger's general communication, recording, and instrument options is simple with the DataView® control panel software.

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)

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United States & Canada

Chauvin Arnoux®, Inc.
d.b.a. AEMC® Instruments
15 Faraday Drive
Dover, NH 03820 USA
Tel (603) 749-6434
Fax (603) 742-2346

Customer Support
Place orders, obtain prices and delivery options
(800) 343-1391
customerservice@aemc.com

Sales & Marketing Department
sales@aemc.com
marketing@aemc.com

United States & Canada *(continued)*

Repair & Calibration Service
repair@aemc.com

Technical & Product Application Support
(800) 343-1391
techsupport@aemc.com

South America, Central America, Mexico & the Caribbean

Chauvin Arnoux®, Inc.
d.b.a. AEMC® Instruments
15 Faraday Drive
Dover, NH 03820 USA
export@aemc.com

Australia & New Zealand

Chauvin Arnoux®, Inc.
d.b.a. AEMC® Instruments
15 Faraday Drive
Dover, NH 03820 USA
export@aemc.com

All other countries

Chauvin Arnoux®
12-16 Rue Sarah Bernhardt
92600 Asnières-Sur-Seine, FR
Tel +1 33 1 44 85 45 85
Fax +1 33 1 46 27 73 89
info@chauvin-arnoux.com
www.chauvin-arnoux.com



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Call the AEMC® Instruments Technical Assistance Hotline for immediate consultation with an applications engineer: (800) 343-1391

AEMC® Instruments • 15 Faraday Dr. • Dover, NH 03820 USA • (800) 343-1391 • Fax (603) 742-2346 • E-mail: sales@aemc.com
Export Department: +1 (603) 749-6434 x520 • Fax +1 (603) 742-2346 • E-mail: export@aemc.com
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