# **DATA LOGGERS**

#### THREE- AND FOUR- CHANNEL AC CURRENT

### **MODELS DL913 & DL914**

Waterproof three and four channel AC current data loggers with flexible sensors

## **CDECIFICATIONS**

Cextended recording mode    External Power: 365 days			
Channels   MiniFlex®	DL913 / DL914		
Massurement Ranges			
Measurement Ranges   300 Aac / 3000 Aac   3000 A range   3000 A	3 (DL913) / 4 (DL914)		
Ranges   300 A range   3000 A rang	MiniFlex®		
Accuracy (50 Hz/60 Hz)  (0.50 to 99.99) A 360.0) A 99.99) A 99.99) A 2 (1 %r + 10 D) 2 (1 %r + 4 D) 2 (1 %r + 10 D) 2 (1 %r + 5 D) 3.600  Resolution  0.01 A 0.1 A 0.01 A 0.1 A 0.1 A 1.4  Frequency  45 Hz to 65 Hz ± 0.1 Hz  Normal recording mode: Once per second Extended recording mode: Four per aggregation period (extended recording mode)  Battery Power: 4 days with no missing samples (normal recording mode)  T 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  10 hours maximum (Wi-Fi off)  Power Sources  Internal: 4.3 A·h NiMH rechargeable battery pack External: USB connection  Normal recording mode: 4 days Extended recording mode: 7 to 30 days*  (*Depending on the selected aggregation period)  Reference user manual for in-depth information on the bat life, aggregation period, storage interval, and recording mode (5.9 x 5.9 x 3.57) in (150 x 150 x 91) mm w/o sensors  Weight (with battery)  Sensor/Cable Length  Max. Conductor  Case  USB, VI-Fi via router (Ethernet), or Vi-Fi Direct  (*Depending on the selected aggregation period)  Reference user manual for in-depth information on the bat life, aggregation period, storage interval, and recording mode (*Depending on the selected aggregation period)  Reference user manual for in-depth information on the bat life, aggregation period, storage interval, and recording mode (*Depending on the selected aggregation period)  Reference user manual for in-depth information on the bat life, aggregation period, storage interval, and recording mode (*Depending on the selected aggregation period)  Reference user manual for in-depth information on the bat life, aggregation period)  Reference user manual for in-depth information on the bat life, aggregation period)  Reference user manual for in-depth information on the bat life, aggregation period)  Reference user manual for in-depth information on the bat life, aggregation period)  Re	300 Aac / 3000 Aac		
(50 Hz/60 Hz)  99.99) A ±(1 %r+10 D) ±(1 %r+4 D) ±(1 %r+4 D) ±(1 %r+10 D) ±(1 %r+10 D) ±(1 %r+5 D) ±(1			
Storage Rate  Normal recording mode: Once per second Extended recording mode: Four per aggregation period Battery Power: 4 days with no missing samples (normal recording mode)  To 30 days depending on the selected aggregation period (extended recording mode)  External Power: 365 days  Memory  Internal 8 GB  Communication  Battery Charge Time  10 hours maximum (Wi-Fi off)  Internal: 4.3 A·h NiMH rechargeable battery pack External: USB connection  Normal recording mode: 4 days Extended recording mode: 4 days Extended recording mode: 7 to 30 days*  (*Depending on the selected aggregation period) Reference user manual for in-depth information on the bat life, aggregation period, storage interval, and recording mode: MeCHANICAL  Dimensions  (5.9 x 5.9 x 3.57) in (150 x 150 x 91) mm w/o sensors  Weight (with battery)  Sensor/Cable Length  Max. Conductor  Case  UL94-V0 Flame retardant	) kA		
Storage Rate  Normal recording mode: Once per second Extended recording mode: Four per aggregation period 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  Battery Charge Time  10 hours maximum (Wi-Fi off)  Internal: 4.3 A·h NiMH rechargeable battery pack External: USB connection  Normal recording mode: 4 days  Extended recording mode: 7 to 30 days*  (*Depending on the selected aggregation period)  Reference user manual for in-depth information on the bailife, aggregation period, storage interval, and recording mode: 4 information on the bailife, aggregation period, storage interval, and recording mode: 4 information on the bailife, aggregation period, storage interval, and recording mode: 4 information on the bailife, aggregation period, storage interval, and recording mode: 4 information on the bailife, aggregation period, storage interval, and recording mode: 4 information on the bailife, aggregation period, storage interval, and recording mode: 5 information on the bailife, aggregation period, storage interval, and recording mode: 5 information on the bailife, aggregation period, storage interval, and recording mode: 6 information on the bailife, aggregation period, storage interval, and recording mode: 7 information on the bailife, aggregation period, storage interval, and recording mode: 7 information on the bailife, aggregation period, storage interval, and recording mode: 7 information on the bailife, aggregation period, storage interval, and recording mode: 7 information on the bailife, aggregation period, storage interval, and recording mode: 8 information on the bailife, aggregation period, storage interval, and recording mode: 8 information on the bailife, aggregation period, storage interval, and recording mode: 8 information on the bailife, aggregation period, storage interval, and recording mode: 9 information on the bailife, agg	4		
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Recording Length  7 to 30 days depending on the selected aggregation perion (extended recording mode) External Power: 365 days  Memory  Internal 8 GB  Communication  Battery Charge Time  10 hours maximum (Wi-Fi off)  Internal: 4.3 A·h NiMH rechargeable battery pack External: USB connection Normal recording mode: 4 days Extended recording mode: 7 to 30 days* (*Depending on the selected aggregation period) Reference user manual for in-depth information on the bat life, aggregation period, storage interval, and recording mode  MECHANICAL  Dimensions  (5.9 x 5.9 x 3.57) in (150 x 150 x 91) mm w/o sensors  Weight (with battery) Sensor/Cable Length Max. Conductor  Case  UL94-V0 Flame retardant			
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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)           Length         MiniFlex® probes with 6.5 ft (2 m) leads           Max. Conductor         7.64 in (190 mm)           Case         UL94-VO Flame retardant	Normal recording mode: 4 days Extended recording mode: 7 to 30 days* (*Depending on the selected aggregation period) Reference user manual for in-depth information on the battery		
Weight (with battery)DL913: 2.2 lbs (1 kg) / DL914: 2.42 lbs (1.1 kg)Sensor/Cable Length3 (DL913) or 4 (DL914) integral 24 in (610 mm) MiniFlex® probes with 6.5 ft (2 m) leadsMax. Conductor7.64 in (190 mm)CaseUL94-V0 Flame retardant			
(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)       Max. Conductor     MiniFlex® probes with 6.5 ft (2 m) leads       Max. Conductor     7.64 in (190 mm)       Case     UL94-V0 Flame retardant	(5.9 x 5.9 x 3.57) in (150 x 150 x 91) mm w/o sensors		
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			
Case UL94-V0 Flame retardant			
020 1 10 1 14 10 1014	7.64 in (190 mm)		
<b>Vibration</b> IEC 68-2-6 (1.5 mm, 10 Hz to 55 Hz)	UL94-V0 Flame retardant		
	IEC 68-2-6 (1.5 mm, 10 Hz to 55 Hz)		
<b>Shock</b> IEC 68-2-27 (30 G)	IEC 68-2-27 (30 G)		
Drop IEC 68-2-32 (3.3 ft [1 m] in the most severe position with permanent mechanical damage or functional deterioration	IEC 68-2-32 (3.3 ft [1 m] in the most severe position without permanent mechanical damage or functional deterioration)		
ENVIRONMENTAL			
Operating/ Storage         (14 to 122) °F (-10 to 50) °C / (-40 to 158) °F (-40 to 70) °C           Temperature         (-40 to 158) °F (-40 to 70) °C	(14 to 122) °F (-10 to 50) °C / (-40 to 158) °F (-40 to 70) °C		
Relative Operation: up to 85 %RH (non-condensing) Humidity Storage: up to 95 %RH	Operation: up to 85 %RH (non-condensing)		





## **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 displays real-time measurements and parameters such as memory, power, and communication status
- Front panel navigation of configuration options and measurment screens
- 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, cover closed)
- · Flame retardant case

#### **APPLICATIONS**

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

#### 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.

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