

DATA LOGGERS

THREE- AND FOUR- CHANNEL AC CURRENT

MODELS DL913 & DL914

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

SPECIFICATIONS

MODELS	DL913 / DL914				
ELECTRICAL					
Channels	3 (DL913) / 4 (DL914)				
Inputs	MiniFlex®				
Measurement Ranges	300 Aac / 3000 Aac				
Accuracy ((50/60) Hz)	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 Battery Power: 4 d with no missing samples (normal recording mode)				
Recording Length	7 to 30 d depending on the selected aggregation period (extended recording mode) External Power: 365 d				
Memory	Internal 8 GB				
Communication	USB, Wi-Fi via router (Ethernet), or Wi-Fi Direct				
Battery Charge Time	10 h maximum (Wi-Fi off)				
Power Supply	Internal: 4.2 A-h NiMH rechargeable battery pack External: USB connection				
Battery Life	Normal recording mode: 4 d Extended recording mode: 7 to 30 d* (*Depending on the selected aggregation period) Reference user manual for in-depth information on the battery life, aggregation period, storage interval, and recording modes.				
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 (194 mm)				
Case	UL94-V0 Flame retardant				
Vibration	IEC 68-2-6 (1.5 mm, (10 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				

Consult factory for NIST Calibration prices

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



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 measurement screens
- Built-in web server for remote monitoring
- Extended recording mode for increased battery life
- Battery and/or USB powered options
- Frequency measurements
- Wi-Fi and USB communications
- Waterproof IP67 rated (USB cap on, cover closed)

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.