Models L101, L102 & L111

One channel loggers with the ability to perform a variety of recording tasks

▶FEATURES

- Compatible standard current probes with voltage output and BNC connection (Models L101 & L102) (sold separately)
- Fused input (Model L111)
- Compatible with standard AC current probes with current output and banana plug connection (Model L111)
- 2 inputs (Model L102)
- 64 samples per cycle
- Programmable storage rates from 8 every second to 1 every day
- 4 user selectable storage modes
- Stores up to 240,000 measurements in non-volatile memory
- Powered by standard Alkaline batteries
- Lightweight, compact, fits anywhere
- 5 LED indicators quickly and clearly display logger status
- Includes FREE DataView® software for data storage, real-time display, analysis and report generation
- Optically isolated USB 2.0 communication cable included
- EN 61010-1; 50V CAT III

▶APPLICATIONS (MODELS L101 & L111)

- Load profiling
- Fault current detection
- Intermittent problem detection
- Demand recording
- Neutral current monitoring
- Harmonic current recording using DataView® software
- Metering CT resizing
- Start-Stop time stamping

▶APPLICATIONS (MODEL L102)

- Split phase load monitoring
- Neutral & ground current monitoring
- Intermittent problem detection
- Harmonic current monitoring using DataView® software
- Machine load monitoring
- Start-Stop time stamping

▶SPECIFICATIONS

MODELS	L101	L102	L111
ELECTRICAL			
Channels	One	Two	One
Input Connection	BNC	One BNC connector per channel	Two recessed banana jacks
Measurement Range	0 to 1VAC (probe dependent)		0 to 1AAC (probe dependent)
Resolution	0.1mV		0.1mA
Accuracy (50/60Hz)	0 to 10mV: unspecified 10 to 50mV: ±(0.5% of Reading + 1mV) 50 to 1000mV: ±(0.5% of Reading + 0.5mV)		0 to 10mA: unspecified 10 to 50mA: ±(0.5% of Reading + 1mA) 50 to 1000mA: ±(0.5% of Reading + 0.5mA)
Input Impedance	800kΩ		1Ω
Sample Rate	64 samples/cycle		
Storage Rate	Programmable from 8 every second to 1 every day		
Storage Modes	Start/Stop, FIFO, Extended Recording Mode (XRM™) and Alarm		
Recording Length	15 minutes to 8 weeks, programmable using DataView®		
Memory	240,000 measurements (512KB) The recorded data is stored in non-volatile memory and will be retained even if the battery is low or removed.		
Communication	USB 2.0 optically isolated		
Power Source	2 x 1.5V AA-cell Alkaline batteries (included)		
Battery Life	100 hours to >45 days (dependent on sample rate and recording length)		
MECHANICAL			
Dimensions	5.38 x 2.75 x 1.28" (136 x 70 x 32mm)		5.18 x 2.75 x 1.28" (132 x 70 x 32mm)
Max Conductor Size	Current probe dependent		
Weight (with battery)	6.4 oz (181g)		6.64 oz (188g)
Case	UL94-V0		
Vibration	IEC 68-2-6 (1.5mm, 10 to 55Hz)		
Shock	IEC 68-2-27 (30G)		
Drop	IEC 68-2-32 (1m)		

Current probe selection chart on following pages

CATALOG NO.	DESCRIPTION
2126.02	Simple Logger® II Model L101 (1-Channel, TRMS, 0 to 1VAC, DataView® software)
2126.03	Simple Logger® II Model L102 (2-Channel, TRMS, 0 to 1VAC, DataView® software)
2126.04	Simple Logger® II Model L111 (1-Channel, TRMS, 0 to 1AAC, DataView® software)

DATA LOGGERS
Probe Selection Chart

AEMC MODEL NUMBER	AEMC CATALOG NUMBER	PROBE OUTPUT	PROBE RANGE	MAX RANGE FOR SLII	CABLE DIAMETER	BUS BAR SIZE	OUTPUT CONNECTION	USED WITH LOGGER MODEL	NOTES
MN261	2115.82	100mV/AAC 10mV/AAC	0.1 to 24AAC 0.5 to 240AAC	10AAC 100AAC	0.78"	N/A	Lead w/BNC	L101 L102 L562	—
JM830A	2110.83	0.333mA/AAC	1 to 2400A	2400A	2.52"	1.97 x 5.31"	Lead	L111	—
JM861	2110.90	10mV/AAC 1mV/AAC 0.1mV/AAC	1 to 30AAC 1 to 300AAC 1 to 3000AAC	30AAC 300AAC 3000AAC	2.52"	1.97 x 5.31"	Lead w/BNC	L101 L102 L562	—
MF 300-6-2-10	2126.81	100mV/AAC 10mV/AAC	30AAC 300AAC	10AAC 100AAC	1.77"	2.25 x 3/4"	Sensor w/BNC	L101 L102 L562	—
300-24-2-1	2112.88	100mV/AAC 10mV/AAC	5 to 30A 5 to 300A	10A 100A	8"	N/A	Sensor w/Banana Plugs	L101 L102 L562	Must use adapter # 2118.46
1000-24-1-1	2112.39	1mV/AAC	5 to 1000A	1000A	8"	N/A	Sensor w/Banana Plugs	L101 L102 L562	Must use adapter # 2118.46
1000-24-2-1	2112.98	10mVAC 1mV/AAC	5 to 100A 5 to 1000A	100A 1000A	8"	N/A	Sensor w/Banana Plugs	L101 L102 L562	Must use adapter # 2118.46
1000-36-2-1	2113.00	10mVAC 1mV/AAC	5 to 100A 5 to 1000A	100A 1000A	11"	N/A	Sensor w/Banana Plugs	L101 L102 L562	Must use adapter # 2118.46
3000-24-2-0.3	2114.87	3.3mV/AAC 0.3mV/AAC	5 to 300A 5 to 3000A	300A 3000A	8"	N/A	Sensor w/Banana Plugs	L101 L102 L562	Must use adapter # 2118.46
6000-36-2-0.1	2113.21	1mV/AAC 0.1mV/AAC	5 to 600A 5 to 6000A	600A 6000A	11"	N/A	Sensor w/Banana Plugs	L101 L102 L562	Must use adapter # 2118.46
30000-24-2-0.1	2113.33	1mV/AAC 0.1mV/AAC	5 to 3000A 5 to 30,000A	1000A 10000A	8"	N/A	Sensor w/Banana Plugs	L101 L102 L562	Must use adapter # 2118.46
MN01	2129.17	1mA/AAC	2 to 150A	150A	0.39"	N/A	Lead	L111	—
MN02	2129.20	1mA/AAC	50mA to 100A (1Ω) 50mA to 90A (10Ω)	100AAC	0.39"	N/A	Lead	L111	—
MN03	2129.18	1mV/AAC	2 to 100AAC	100AAC	0.47"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN93-BK	2140.32	5mV/AAC	2 to 240AAC	200AAC	0.8"	N/A	Proprietary	L104 L564	—
MN193-BK	2140.36	200mV/AAC 10mV/AAC	5 to 100AAC	5A 100A	0.8"	N/A	Proprietary	L104 L564	—
MN251	2115.77	1mV/AAC	0.5 to 240A	240AAC	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN255	2115.81	100mV/AAC 10mV/AAC	0.1 to 24AAC 0.1 to 240AAC	10AAC 100AAC	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46

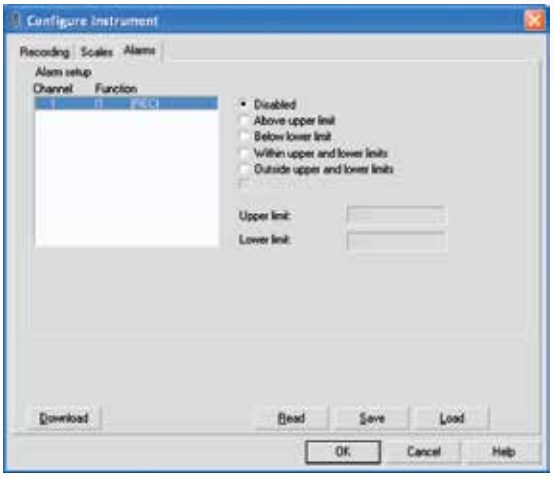
AEMC MODEL NUMBER	AEMC CATALOG NUMBER	PROBE OUTPUT	PROBE RANGE	MAX RANGE FOR SLII	CABLE DIAMETER	BUS BAR SIZE	OUTPUT CONNECTION	USED WITH LOGGER MODEL	NOTES
MN313	2116.25	1mA/AAC	0.1 to 200A	200AAC	0.78"	0.79 x 0.2"	Lead	L111	—
MN353	2116.27	10mV/AAC	0.1 to 150A	100AAC	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN373	2116.28	1000mV/AAC 10mV/AAC	0.01 to 2.4AAC 0.1 to 200AAC	1AAC 100AAC	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN375	2115.41	100mV/AAC	0.1 to 10A	10AAC	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN379	2153.01	200mV/AAC 10mV/AAC	5AAC 100AAC	5AAC 100AAC	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
SR193-BK	2140.33	1mV/AAC	1 to 1200A	1000AAC	2"	N/A	Proprietary	L104 L564	—
SR604	2113.44	1mA/AAC	0.1 to 1000A	1000AAC	2.05"	N/A	Lead	L111	—
SR661	2113.49	1mV/AAC 10mV/AAC 100mV/AAC	1000AAC 100AAC 10AAC	1000AAC 100AAC 10AAC	2.13"	N/A	BNC	L101 L102 L562	—
SR752	2116.32	1mV/AAC	0.1 to 1000A	1000AAC	2.05"	1.96 x 0.19"	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
SR759	2116.33	1000mV/AAC 100mV/AAC 10mV/AAC 1mV/AAC	1mA to 1AAC 10mA to 10AAC 0.1 to 100AAC 1 to 1000AAC	1AAC 10AAC 100AAC 1000AAC	2.05"	1.96 x 0.19"	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46

DataView®

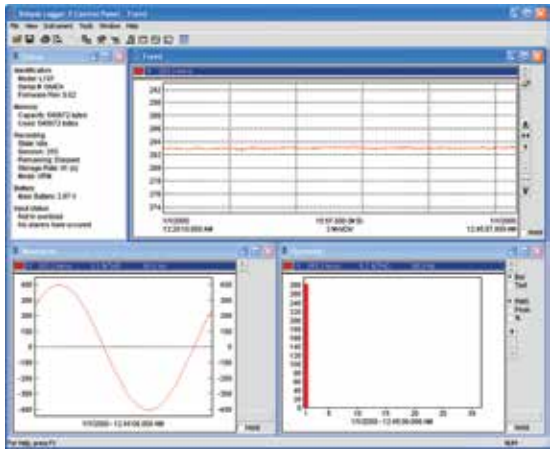
Data Analysis and Reporting Software for Data Loggers

Typical DataView® Functional Displays

Quick and simple configuration of all functions and settings from one dialog box.



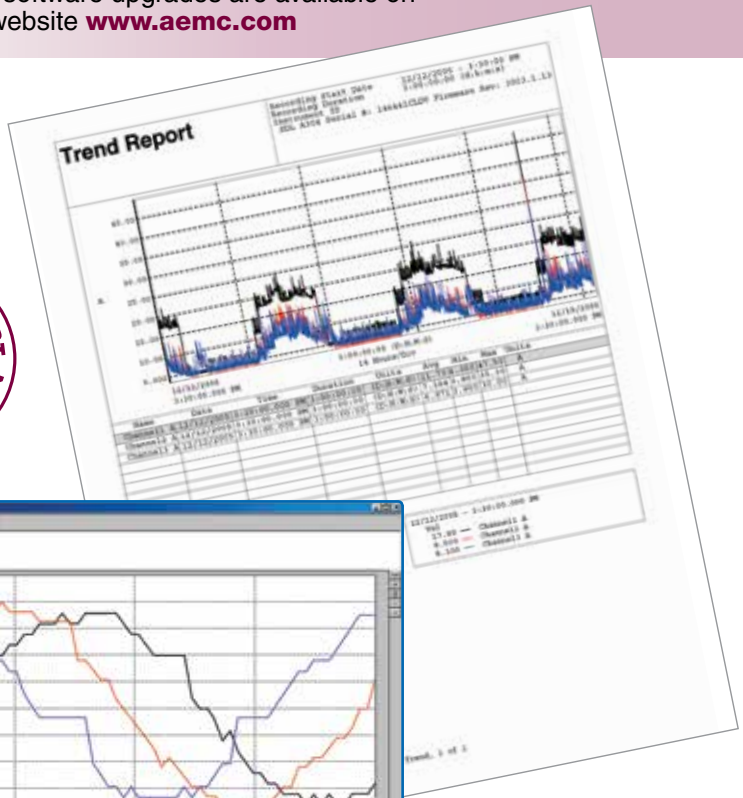
Configure all alarm functions with straightforward selections.



Real-time view of trend, waveform and status screens.

Configure all data logger functions of the Simple Logger® II Models

- Display and analyze real-time data on your PC
- Configure all data logger functions and parameters from your PC including sample rate, recording length, channel configuration and more
- Create and store a complete library of configurations that can be uploaded to the logger as needed
- Zoom in and out and pan through sections of the graph to analyze the data
- Download, display and analyze recorded data
- Display waveforms, trend graphs, harmonics (AC models) and text summaries
- Create custom views and reports
- Print reports using standard or custom templates you design
- Free software upgrades are available on our website **www.aemc.com**



AUTOMATIC REPORT GENERATION

Real-time display of all active inputs on computer through DataView® software.