

### Model L104

Four channel logger provides a wide range of current measurements using specified current probes



cover closed

### ► FEATURES

- TRMS current recording up to 1200A (probe dependent)
- 64 samples per cycle
- Programmable storage rates from 8 per second to 1 every day
- Four user selectable storage modes
- Stores up to 1,000,000 measurements in non-volatile memory
- Powered by standard Alkaline batteries for a period of up to 180 days
- Lightweight, compact, fits anywhere
- Six LED indicators quickly and clearly display logger status
- Includes FREE DataView® software for data storage, real-time display, analysis and report generation
- Wireless *Bluetooth* data communication (Class 2 *Bluetooth* module included)
- 600V CAT IV; 1000V CAT III

### ► APPLICATIONS

- Single-phase or poly-phase load monitoring
- Neutral and ground current monitoring
- Harmonic current monitoring using DataView® software
- Intermittent problem detection
- Current load monitoring

### ► SPECIFICATIONS

MODEL	L104
<b>ELECTRICAL</b>	
Channels	Four
Input Connection	One 3 pin connector per channel
Input Range	0 to 1Vac
Accuracy (50/60Hz)	0 to 10mV unspecified 10 to 50mV: ±(0.5% of Reading + 1mV) 50 to 1000mV: ±(0.5% of Reading + 0.5mV)
Input Impedance	100kΩ
Sample Rate	64 samples/cycle
Storage Rate	Programmable from 125ms to 1 per day
Storage Mode	Start/Stop, FIFO, Extended Recording Mode (XRM™) and Store on Alarm
Recording Length	15 minutes to 8 weeks, programmable using DataView®
Memory	1,000,000 measurement (2MB) The recorded data is stored in non-volatile memory and retained even if the battery is low or removed.
Communication	<i>Bluetooth</i> connection (communicates up to 30 ft)
Power Source	4 x 1.5V C-cell Alkaline batteries
Battery Life	Up to > 180 days (dependent on storage rate and recording length)
<b>MECHANICAL</b>	
Dimensions	5.904 x 5.904 x 3.568" (150 x 150 x 91mm)
Weight (with battery)	2.1 lbs (0.95kg)
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)

For use with current probes with voltage output

### ► ACCESSORIES

**AC Current Probe Model MN93-BK**  
Catalog #2140.32



**AC Current Probe Model SR193-BK**  
Catalog #2140.33



**AC Current Probe Model MN193-BK**  
Catalog #2140.36



### ► PRODUCT INCLUDES

*Bluetooth* USB adapter, twelve color-coded input ID markers, mounting hardware, 4 x 1.5V C-Cell alkaline batteries, USB cable for firmware updates, and USB stick supplied with DataView® software and user manual.



CATALOG NO.	DESCRIPTION
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2126.10	Simple Logger® II Model L104 (4-Channel, TRMS, <i>Bluetooth</i> , 1Vac, DataView® software)
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# 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

## Simple Logger® II *Data Loggers*

AC Volt/Amp • DC Amps  
Events & **MORE!**



DataView®

# DataView®

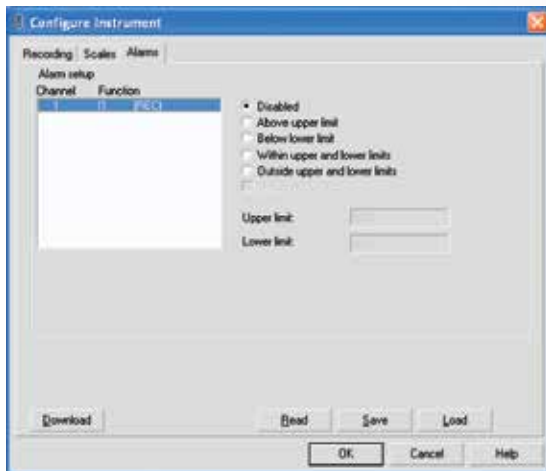
Data Analysis and Reporting Software for Data Loggers



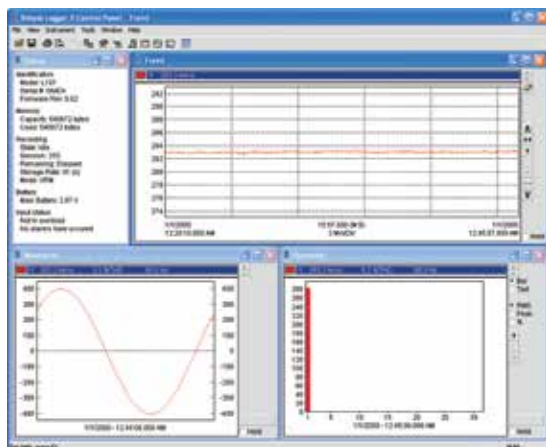
## Typical DataView® Functional Displays



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



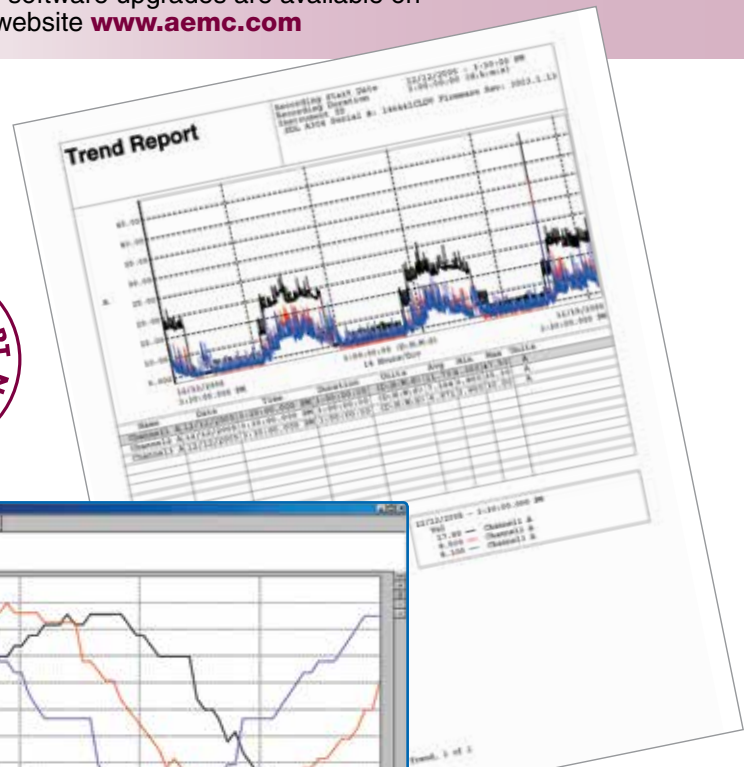
Configure all alarm functions with straightforward selections.



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](http://www.aemc.com)



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