Models L101 & L102

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)
- 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 (MODEL L101)

- 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
ELECTRICAL		
Channels	One	Two
Input Connection	BNC	One BNC connector per channel
Measurement Range	0 to 1V$_{AC}$ (probe dependent)	
Resolution	0.1mV	
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	800kΩ	
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)	

CATALOG NO.	DESCRIPTION
2126.02	Simple Logger® II Model L101 (1-Channel, TRMS, 0 to 1V$_{AC}$, DataView® software)
2126.03	Simple Logger® II Model L102 (2-Channel, TRMS, 0 to 1V$_{AC}$, DataView® software)

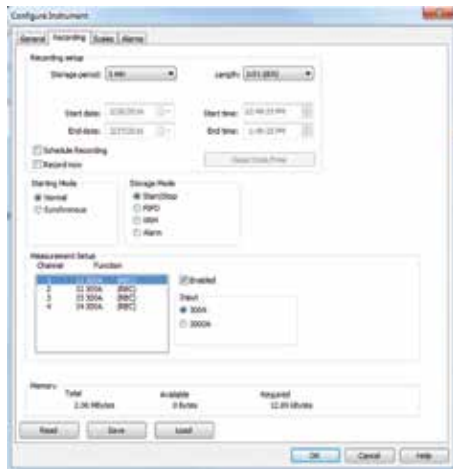| AEMC MODEL NUMBER	AEMC CATALOG NUMBER	PROBE OUTPUT	PROBE RANGE	MAX RANGE FOR SLII	CABLE DIAMETER	BUS BAR SIZE	OUTPUT CONNECTION	USED WITH LOGGER MODEL	NOTES
MN261	2115.82	100mV/Aac 10mV/Aac	0.1 to 24Aac 0.5 to 240Aac	10Aac 100Aac	0.78" (19.8mm)	N/A	Lead w/BNC	L101 L102 L562	—
JM830A	2110.83	0.333mA/Aac	1 to 2400A	2400A	2.52" (64mm)	1.97 x 5.31" (50 x 134.87mm)	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" (64mm)	1.97 x 5.31" (50 x 134.87mm)	Lead w/BNC	L101 L102 L562	—
MF 300-6-2-10	2126.81	100mV/Aac 10mV/Aac	30Aac 300Aac	10Aac 100Aac	1.77" (44.96mm)	2.25 x 0.75" (57.15 x 19.05mm)	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" (203.2mm)	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" (203.2mm)	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" (203.2mm)	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" (279.4mm)	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" (203.2mm)	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" (279.4mm)	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" (203.2mm)	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" (9.9mm)	N/A	Lead	L111	—
MN02	2129.20	1mA/Aac	50mA to 100A (1Ω) 50mA to 90A (10Ω)	100Aac	0.39" (9.9mm)	N/A	Lead	L111	—
MN03	2129.18	1mV/Aac	2 to 100Aac	100Aac	0.47" (11.94mm)	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" (20.32mm)	N/A	Proprietary	L104 L564	—
MN193-BK	2140.36	200mV/Aac 10mV/Aac	5 to 100Aac	5A 100A	0.8" (20.32mm)	N/A	Proprietary	L104 L564	—
MN251	2115.77	1mV/Aac	0.5 to 240A	240Aac	0.78" (19.81mm)	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" (19.81mm)	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46

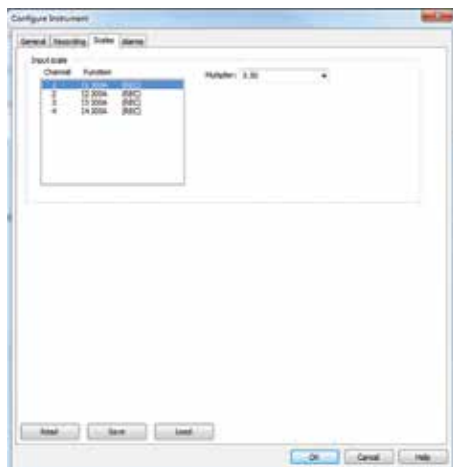| AEMC MODEL NUMBER	AEMC CATALOG NUMBER	PROBE OUTPUT	PROBE RANGE	MAX RANGE FOR SLII	CABLE DIAMETER	BUS BAR SIZE	OUTPUT CONNECTION	USED WITH LOGGER MODEL	NOTES
MN313	2116.25	1mA/A_{AC}	0.1 to 200A	200A_{AC}	0.78" (19.8mm)	0.79 x 0.2" (20.06 x 5.08mm)	Lead	L111	—
MN353	2116.27	10mV/A_{AC}	0.1 to 150A	100A_{AC}	0.78" (19.8mm)	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN373	2116.28	1000mV/A_{AC} 10mV/A_{AC}	0.01 to 2.4A_{AC} 0.1 to 200A_{AC}	1A_{AC} 100A_{AC}	0.78" (19.8mm)	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN375	2115.41	100mV/A_{AC}	0.1 to 10A	10A_{AC}	0.78" (19.8mm)	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN379	2153.01	200mV/A_{AC} 10mV/A_{AC}	5A_{AC} 100A_{AC}	5A_{AC} 100A_{AC}	0.78" (19.8mm)	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
SR193-BK	2140.33	1mV/A_{AC}	1 to 1200A	1000A_{AC}	2" (50.8mm)	N/A	Proprietary	L104 L564	—
SR604	2113.44	1mA/A_{AC}	0.1 to 1000A	1000A_{AC}	2.05" (52.07mm)	N/A	Lead	L111	—
SR661	2113.49	1mV/A_{AC} 10mV/A_{AC} 100mV/A_{AC}	1000A_{AC} 100A_{AC} 10A_{AC}	1000A_{AC} 100A_{AC} 10A_{AC}	2.13" (54.1mm)	N/A	BNC	L101 L102 L562	—
SR752	2116.32	1mV/A_{AC}	100mA to 1000A	1000A_{AC}	2.05" (52.07mm)	1.96 x 0.19" (49.78 x 4.83mm)	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
SR759	2116.33	1000mV/A_{AC} 100mV/A_{AC} 10mV/A_{AC} 1mV/A_{AC}	1mA to 1A_{AC} 10mA to 10A_{AC} 0.1 to 100A_{AC} 1 to 1000A_{AC}	1A_{AC} 10A_{AC} 100A_{AC} 1000A_{AC}	2.05" (52.07mm)	1.96 x 0.19" (49.78 x 4.83mm)	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46

Data*View*®

Data Analysis and Reporting Software

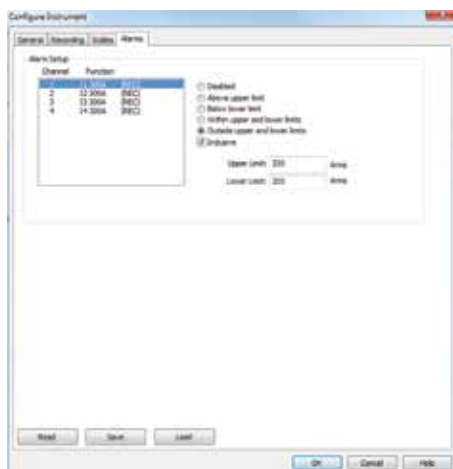## Typical DataView® Functional Displays

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

Configure scale functions.

Configure all alarm functions with straightforward selections.

Configure all data logger functions

- 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**

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