Model L562

Two input channel logger capable of recording Arms, Vrms and VA

▶ SPECIFICATIONS

MODEL	L562	
ELECTRICAL		
Channels	Two	
Connection	**Current Channel**	**Voltage Channel**
Input Connection	BNC	Two recessed banana jacks
Input Range*	0 to 1VAC (for use with current probes with a voltage output)	0 to 600VAC
Resolution	0.1mV	0.1V
Accuracy (50/60Hz)	0 to 10mV unspecified	0 to 5V unspecified
	10 to 50mV: ±(0.5% of Reading + 1mV)	5 to 50V: ±(0.5% of Reading + 1V)
	50 to 1000mV: ±(0.5% of Reading + 0.5mV)	50 to 600V: ±(0.5% of Reading + 0.5V)
Input Impedance	800kΩ	40MΩ
Maximum Input Voltage*	5Vrms or ± 7.07V peak	1.2 x 600V
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 measurement (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)	
Max Conductor Size	Current probe dependent	
Weight (with battery)	6.4 oz (181g)	
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)	

*The native measurement of the instrument is voltage.
This voltage is scaled to display current corresponding to the users probe selection.
This accuracy specification does not account for probe errors.

**A memory backup provides backup power while the batteries are being changed.

***Input level beyond this range may damage the instrument.

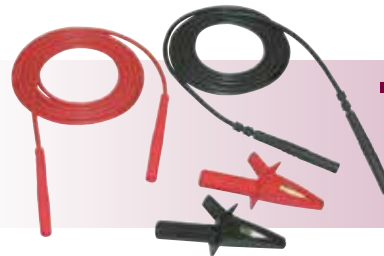**Safety Ratings:** 300V CAT IV RATING · 600V CAT III RATING · IP 40 Rated · CE

▶ FEATURES

- 2 input channels
- Voltage: 0 to 600VAC TRMS
- Current: compatible with voltage output AC current probes with voltage outputs (sold separately)
- 64 samples per cycle
- Records Arms, Vrms & VA (VA displays in DataView® software)
- 4 user selectable storage modes
- Programmable storage rates from 8 every second to 1 every day
- 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
- Complies with EN 61010-1; 300V CAT IV; 600V CAT III (a safety rated current probe is required)

▶ APPLICATIONS

- Single phase power monitoring
- Residential, commercial, industrial, troubleshooting
- Find sags and surges
- Track energy usage
- Start-Stop time stamping

▶ PRODUCT INCLUDES

Set of two color-coded 5 ft voltage leads, color-coded alligator clips (red/black), USB type A to 5 pin Mini-B, and USB stick supplied with DataView® software and user manual.

Current probe selection chart on following pages

CATALOG NO.	DESCRIPTION
2126.35	Simple Logger® II Model L562 (2-Channel, TRMS, Voltage & Current, 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"	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/Aᴀᴄ	0.1 to 200A	200Aᴀᴄ	0.78"	0.79 x 0.2"	Lead	L111	—
MN353	2116.27	10mV/Aᴀᴄ	0.1 to 150A	100Aᴀᴄ	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN373	2116.28	1000mV/Aᴀᴄ 10mV/Aᴀᴄ	0.01 to 2.4Aᴀᴄ 0.1 to 200Aᴀᴄ	1Aᴀᴄ 100Aᴀᴄ	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN375	2115.41	100mV/Aᴀᴄ	0.1 to 10A	10Aᴀᴄ	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
MN379	2153.01	200mV/Aᴀᴄ 10mV/Aᴀᴄ	5Aᴀᴄ 100Aᴀᴄ	5Aᴀᴄ 100Aᴀᴄ	0.78"	N/A	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
SR193-BK	2140.33	1mV/Aᴀᴄ	1 to 1200A	1000Aᴀᴄ	2"	N/A	Proprietary	L104 L564	—
SR604	2113.44	1mA/Aᴀᴄ	0.1 to 1000A	1000Aᴀᴄ	2.05"	N/A	Lead	L111	—
SR661	2113.49	1mV/Aᴀᴄ 10mV/Aᴀᴄ 100mV/Aᴀᴄ	1000Aᴀᴄ 100Aᴀᴄ 10Aᴀᴄ	1000Aᴀᴄ 100Aᴀᴄ 10Aᴀᴄ	2.13"	N/A	BNC	L101 L102 L562	—
SR752	2116.32	1mV/Aᴀᴄ	0.1 to 1000A	1000Aᴀᴄ	2.05"	1.96 x 0.19"	Lead w/Banana Plug	L101 L102 L562	Must use adapter # 2118.46
SR759	2116.33	1000mV/Aᴀᴄ 100mV/Aᴀᴄ 10mV/Aᴀᴄ 1mV/Aᴀᴄ	1mA to 1Aᴀᴄ 10mA to 10Aᴀᴄ 0.1 to 100Aᴀᴄ 1 to 1000Aᴀᴄ	1Aᴀᴄ 10Aᴀᴄ 100Aᴀᴄ 1000Aᴀᴄ	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!*
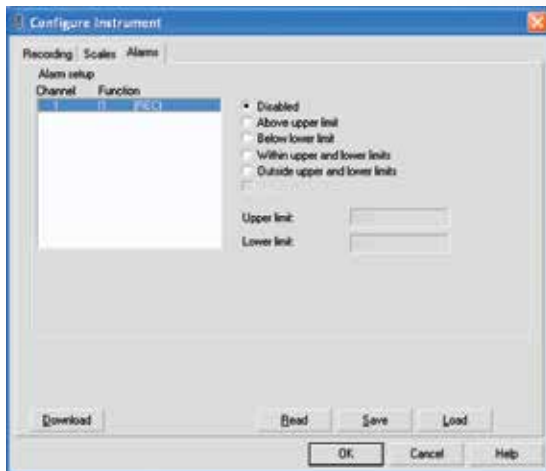*DataView*®

Data*View*®
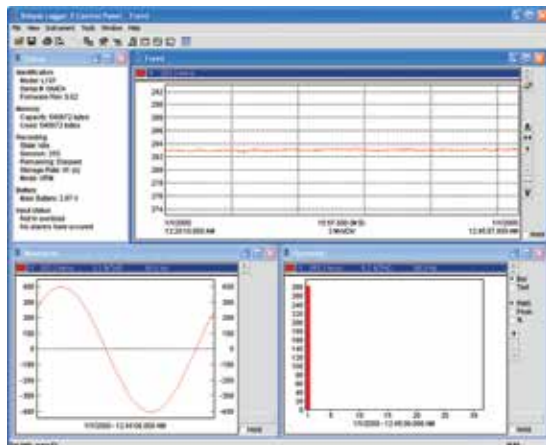
Data Analysis and Reporting Software for Data Loggers

Typical DataView® Functional Displays

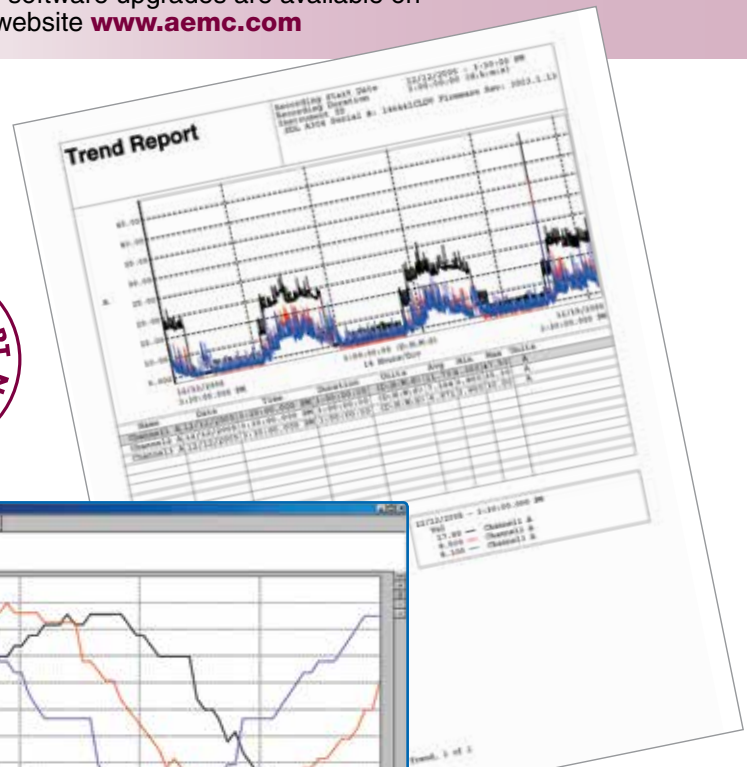*Quick and simple configuration of all functions and settings from one dialog box.*

Configure all 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**

Configure all alarm functions with straightforward selections.

AUTOMATIC REPORT GENERATION

Trend Report

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

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