

AEMC Simple Logger® II Data Loggers

- Compact size, battery operated
- Easily installed, operational in seconds
- TRMS measurement for accuracy on distorted waveforms
- Programmable alarm setpoints & triggers
- 5 LED indicators display logger status (LCD readout on L452)
- Choice of data storage modes
- Stores >240k measurements in non-volatile memory
- DataView software displays & analyzes real-time data on a PC



MODEL	L101	L102	L261	L481	L452					
Channels	One	Two	One	One	Two, with user selectable function & range					
Input Connector	BNC		Recessed banana jacks		Removeable screw terminal strip					
Measurement Range	0-1V AC (probe dependent)		0-600V AC/DC		4-20mA DC	100mV/1V/10V DC	Event	Pulse		
Resolution	0.1mV		0.1V		0.01mA	0.1mV/1mV/10mV	---	---		
Accuracy (50/60Hz)	10-50mV: ±0.5% of Rdg ±1mV 50-1000mV: ±0.5% of Rdg±0.5mV		5-50V: ±0.5% of Rdg ±1V 50-600V: ±0.5% of Rdg ±0.5V		5-50V: ±0.5% of Rdg ±1V 50-850V: ±0.5% of Rdg ±0.5V		±0.25% ±5 counts	±0.5% ±1 count	---	---
Sample Rate	64 samples/cycle			Max. 8 /sec	5 /sec		16 /sec	100 /sec		
Storage Rate	Programmable from 125ms to 1 day				DC in: 200/400/600/800ms or 1-60 sec; Pulse in: 10ms					
CAT III Rating	50V		600V		---					

MODEL	L562	
Channels	Two	
Input Connection	Current Channel	Voltage Channel
Input Range*	BNC 0 to 1VAC (use current probes with a voltage output)	Banana jacks 0 to 600VAC
Resolution	0.1mA	0.1V
Accuracy (50/60Hz)	10-50mV: ±0.5% of Rdg ±1mV 50-1000mV: ±0.5% of Rdg ±0.5mV	5-50V: ±0.5% of Rdg ±1V 50-600V: ±0.5% of Rdg ±0.5V
Measurement Input	5Vrms (±7.07V pk-pk max)	1000V
Sample Rate	64 samples/cycle	
Storage Rate	Programmable from 125ms to 1 day	
CAT III Rating	600V	

MODEL	L642
Channels	Two
Input Connection	Mini TC
Measurement Range	°F (°C)
J	-346 to +2192 (-210 to + 1200)
K	-328 to +2501 (-200 to + 1372)
T	-418 to +752 (-250 to + 400)
N	-328 to +2372 (-200 to + 1300)
E	-238 to 1742 (-150 to + 950)
R	32 to 3212 (0 to 1767)
S	32 to 3212 (0 to 1767)
Resolution	0.1° C/F up to 1000° C/F, 1° above 1000° C/F
Accuracy	0.1% to 0.2% + 0.6° to 1°, depending on the range & T/C type
Sample Rate Max.	8 samples at storage interval
Storage Rate	Programmable from 5 sec to 1 day
CAT III Rating	50V

SPECIFICATIONS

Memory	240,000 measurements (512KB); 16M samples (32MB) in L452
Recording Length	15 minutes to 8 weeks, programmable using DataView®; L452: 10 min to 1 year, set via front panel or DataView®
Storage Modes	Start/Stop, FIFO and Extended Recording Mode (XRM™)
Communication	USB 2.0 optically isolated; also Bluetooth on L452
Power	2 x 1.5V AA Alkaline batteries; USB rechargeable NiMH in L452
Battery Life	100 hrs to >45 days, depending on storage rate
Dimensions	5.4 x 2.8 x 1.28" (138 x 70 x 33mm)
Temperature	-10 to 50°C operating; 0 to 50°C for L452

ORDERING INFORMATION

AE/2126.02	Simple Logger® II Model L101 (TRMS, 0 to 1VAC, 1 channel)
AE/2126.03	Simple Logger® II Model L102 (TRMS, 0 to 1VAC, 2 channel)
AE/2126.05	Simple Logger® II Model L261 (TRMS, 0 to 600VAC/DC, 1 channel)
AE/2126.25	Simple Logger® II Model L481 (±800VDC, 1 channel)
AE/2153.51	Simple Logger® II Model L452 (2-Channel, w/LCD, 100mV/1V/10Vdc, 4 to 20mAdc, Event & Pulse)
AE/2126.35	Simple Logger® II Model L562 (TRMS Voltage & Current)
AE/2126.08	Simple Logger® II Model L642 (Thermocouple Temperature, 2 channel)
AE/2126.01	Simple Logger® II Model CL601 (Clamp-On, TRMS Current, 0 to 600A, 1.65" jaw)

ACCESSORIES

AE/1201.51	AC/DC Current Probe Model SL261 (10A@100mV/A, 100A@10mV/A, BNC)
AE/2115.82	AC Current Probe Model MN261 (24A@100mV/A, 240A@10mV/A, BNC)
AE/1200.72	AC Current Probe Model MR461 (60A@10mV/A, 600A@1mV/A, BNC)
AE/1200.73	AC Current Probe Model MR561 (150A@10mV/A, 1500A@1mV/A, BNC)
AE/2113.49	AC Current Probe Model SR661 (10A@100mV/A, 100A@10mV/A, 1000A@1mV/A, BNC)
AE/2110.90	AC Current Probe Model JM861 (30A@10mV/A, 300A@1mV/A, 3000A@0.1mV/A, BNC)
AE/2140.62	Test Lead Pair, 5 ft w alligator clips, 600V CAT IV, 15A

CLAMP-ON AC LOGGER

Simply clamp-on and start recording, no exposed wires to connect.

- 50/400/600A TRMS ranges
- One button operation
- Alarm function
- 5 LED indicators display logger status
- Optically isolated USB 2.0 output
- Includes DataView® software for data storage, real-time display, analysis & report generation
- 300V CAT IV, 600V CAT III



CL601

Each Simple Logger® II includes USB cable, DataView CD, batteries & manual.