



## Simple Logger<sup>®</sup> II Model L102

Cat. #2126.03

**2-Channel, TRMS, 0 to 1V<sub>AC</sub>, DataView<sup>®</sup> Software**


Two channel recording device that performs line tracking by taking 64 samples over one line cycle. Harmonic measurements are calculated from these 64 samples. Frequency tracking is performed over the range of  $\pm 2\text{Hz}$  around the nominal line frequency 50 or 60Hz. Records TRMS at a rate of up to eight times per second. TRMS calculations are performed on a single line cycle. Features easy and intuitive setup from a computer using DataView<sup>®</sup> software.

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Channels	Two
Input	BNC
Ranges (2)	10mV to 1V <sub>AC</sub>
Accuracy (50/60hz)	10 to 50mV $\pm(0.5\% \text{ Read} + 1\text{mV})$ 50 to 1000mV (0.5% Read +0.5mV)
Resolution	0.1mV <sub>AC</sub>
Maximum Input Voltage	5V <sub>rms</sub> or $\pm 7.07\text{VPEAK}$
Input Impedance	800k $\Omega$
Sample Rate	64 samples / cycle
Storage Rate	Programmable from 125ms to 1 per day
Storage Modes	Start/Stop, FIFO, extended mode (XRM) and Alarm
Recording Length	15 minutes to 6 weeks, programmable using DataView
Memory	240,000 measurements (512KB). Recorded data is stored in non-volatile memory and will be retained even if battery is low or removed.
Communication	USB 2.0 optically isolated
Power Source	2x1.5V AA (LR6) alkaline batteries
Battery Life	100 hours to >45 days (depending of sample rate/recording length)
Dimensions	5.38 x 2.75 x 1.28" (136 x 70 x 32mm)
Sensor	Optional current probe with BNC output (SR661, SL261, MN261)
Weight (with battery)	6.4 oz (180g)
Case	Polycarbonate

For more details, download the datasheet or user manual at [www.aemc.com](http://www.aemc.com)

15 Faraday Drive • Dover, NH 03820 USA • (800) 343-1391 • (603) 749-6434 • [www.aemc.com](http://www.aemc.com)  
[customerservice@aemc.com](mailto:customerservice@aemc.com) • [techsupport@aemc.com](mailto:techsupport@aemc.com)

<b>Operating Temperature</b>	14° to 122°F (-10° to 50°C)
<b>Storage Temperature</b>	-4° to 140°F (-20° to 60°C)
<b>Relative Humidity</b>	Up to 85% @ 95°F (35°C)
<b>Ingress Protection (IP)</b>	IP40
<b>EMC</b>	EN 61326-1
<b>Safety Compliance</b>	IEC 61010-1, EN 61010-2-32 600V CAT III ; Pollution Degree 2 

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