

# Simple Logger® II Model ML912

The Simple Logger® II Model ML912 is a two channel AC current recording device powered by two alkaline batteries. It incorporates two user selectable measurement ranges of 0 to 100 Amps and 0 to 1000 Amps.

Line tracking is performed such that 64 samples over one line cycle are taken. Frequency tracking is performed over the range of  $\pm 2$ Hz around the nominal line frequency (50 or 60Hz). Harmonic measurements are calculated from these 64 samples (available within DataView®). The Simple Logger® II stores TRMS values at user programmable rates of up to eight times per second. TRMS calculations are performed on a single line cycle.

The main advantage of the logger is its ability to perform a variety of recording tasks with easy and intuitive setup from a computer using DataView® software. Analog information on the input is sampled and converted to a digital signal. This digital signal is processed and stored along with scale and time information. An optically isolated Universal Serial Bus (USB) port provides for the transfer of data from the instrument's internal memory to the computer for analysis.

## Features

- **Two integral MiniFlex® flexible current probes measure from 0.5A to 1000A**
- **Dual range 100/1000A**
- **Programmable storage rates from 8 every second to 1 every day**
- **3 user selectable storage modes**
- **Stores up to 240,000 measurements in non-volatile memory**
- **Lightweight, compact, fits anywhere**
- **5 LED indicators quickly and clearly display logger status**



**INCLUDED FREE:**  
**DataView®**  
Data Analysis & Reporting Software



ELECTRICAL	
Channels	Two
Input	Captive MiniFlex® AC Current Flexible Sensors
Range	0.5 to 100AAC      5 to 1000AAC
Accuracy (50/60Hz)	0 to 1A unspecified 1 to 100A: $\pm(1\% \text{ of Reading} + 0.5A)$ 0 to 5A unspecified 5 to 1000A: $\pm(1\% \text{ of Reading} + 1A)$
Resolution	0.1A
Sample Rate	64 samples/cycle
Storage Rate	Programmable from 125ms to 1 day
Storage Technique	Start/Stop, FIFO and Extended Recording Mode (XRM™)
Recording Length	15 minutes to 8 weeks, programmable using DataView®
Memory	240,000 measurements (512KB). Recorded data is stored in non-volatile memory and retained even if battery is low or removed.
Communication	USB 2.0 optically isolated
Power Source	2x1.5V AA-cell alkaline batteries
Battery Life	100 hrs to >45 days (dependent on storage rate/recording length)

MECHANICAL	
Dimensions	4.95 x 2.75 x 1.28" (136 x 70 x 32mm) w/o Sensor
Weight	8.67 oz (245g) with battery
Sensor/Cable Length	Sensor: 6" (152mm) / Cable: 6 ft (2m)
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)
ENVIRONMENTAL	
Operating Temp.	14° to 122°F (-10° to 50°C)
Storage Temp.	-4° to 140°F (-20° to 60°C)
Relative Humidity	Up to 85% at 95°F (35°C), Non-condensing
Altitude	2000m
SAFETY & ELECTRO-MAGNETIC COMPATIBILITY	
Safety Rating	EN61010-1; 600V CAT III; 300V CAT IV; Pollution Degree 2
Protection Degree	IP40
Electro-Magnetic Compatibility	EN 61326-1; 07/1997 (+A1 10/1998, +A2 09/2001, +A3 05/2004)

## ORDERING INFORMATION

Simple Logger® II Model ML912 (2-Channel, TRMS, MiniFlex®, 100/1000AAC) ..... **Cat. #2126.37**  
Includes USB cable, DataView® CD-ROM, 2x1.5V AA-cell alkaline batteries, user manual and warranty card.

