

Simple Logger® II TRMS Current Model L102



Model L102 includes type A to 5-pin mini-B USB 2M, DataView® CD, two 1.5V AA-cell Alkaline batteries and user manual. Probes sold separately.

Model L102

SPECIFICATIONS

MODEL	L102
ELECTRICAL	
Channels	Two
Input Connection	One BNC connector per channel
Current Probe Output Voltage Range	0 to 1V (probe dependent)
Resolution	0.1mV
Accuracy (50/60Hz)	0 to 10mV: unspecified 10 to 50mV: $\pm(0.5\%$ of Reading + 1mV) 50 to 1000mV: $\pm(0.5\%$ of Reading + 0.5mV)
Sample Rate	64 samples/cycle
Storage Rate	Programmable from 125mS to 1 day
Storage Modes	Start/Stop, FIFO and Extended Recording Mode (XRM™)
Recording Length	15 minutes to 8 weeks, programmable using DataView®
Memory	240,000 measurements (512KB) The recorded data is stored in non-volatile memory & 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
Battery Life	100 hours to >45 days (dependent on storage rate/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 (180 grams)
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 Temperature	14° to 122°F (-10° to 50°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)

DESCRIPTION

Simple Logger® II Model L102 (2-Channel, TRMS 0 to 1V_{AC})

FEATURES

- ▶ Two independent channels
- ▶ Compatible with standard AC current probes with voltage output and BNC connection (see chart on page 13 for compatible current probes)
- ▶ 64 samples per cycle
- ▶ 2 inputs
- ▶ Programmable storage rates from 8 per second to 1 per day
- ▶ 3 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 waveform display, analysis and report generation
- ▶ Isolated USB communication
- ▶ USB cable included
- ▶ 50V Cat. III

APPLICATIONS

- ▶ Split phase load monitoring
- ▶ Neutral and ground current monitoring
- ▶ Intermittent problem detection
- ▶ Harmonic current monitoring using DataView® software
- ▶ Machine load monitoring
- ▶ Start-Stop time stamping



L102 recording two phases of primary feed.

CATALOG NO.

2126.03