

CLAMP-ON SIMPLE LOGGER® II

Model CL601

The Simple Logger® II Model CL601 is a battery powered, one channel recording device with an alkaline battery pack. Line tracking is performed such that 64 samples over one line cycle are taken. Frequency tracking is performed over the range of $\pm 2\text{Hz}$ around the nominal line frequency (50 or 60Hz). Harmonic measurements are calculated from these 64 samples (Harmonics are only available from the Simple Logger® II Control Panel within the DataView® application).

The Simple Logger® II records TRMS at a rate of up to eight times per second. The measurement process is performed no more than eight times per second. TRMS calculations are performed on a single line cycle. This means that the input(s) are ignored between measurement intervals.

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.

Features

- Self contained, no exposed connections
- 0 to 600Arms Input
- TRMS measurements
- Easy-to-use one button operation
- Overload indication
- Alarm Function
- Optically isolated USB 2.0
- 300V Cat. IV; 600V Cat. III



INCLUDED FREE:
DataView®
 Data Analysis & Reporting Software



Specifications

ELECTRICAL	
Channels	One
Input	Split CT – AC Current
Measurement Range	0 to 600AAC
Resolution	0.1A
Accuracy (50/60Hz)	5 to 50A: $\pm(1\%$ of Reading +1A) 50 to 400A: $\pm(1\%$ of Reading +0.5A) 400 to 600A for duration <10min: $\pm(3\%$ of Reading +1A)
Sample Rate	64 samples/cycle
Storage Rate	Programmable from 125mS to 7 days
Storage Modes	Start/Stop, FIFO and Extended Recording Mode* (XRM™)
Recording Length	1 minute to 8 weeks, programmable using DataView®
Memory	240,000 measurement (512KB)
Alarm	Yes
Harmonics	Yes - up to the 50 th
Waveforms	Yes
Real-time Trend Viewing	Yes
Report Generation	Configurable with DataView® software
Communication	USB 2.0
Communication Rate	115200 bps
Power Source**	2x1.5V AA-cell alkaline batteries
Battery Life	100 hours to > 45 days (dependent on sample rate and recording length)

MECHANICAL	
Dimensions:	9.25 x 4.0 x 1.63" (235 x 102 x 41mm)
Weight (with battery):	1.07 lbs (17.1 oz)
Case:	Polycarbonate UL94-V0
Maximum Conductor Size:	1 conductor - \varnothing 1.65" (42 mm) 2 conductor - \varnothing 1.00" (25.4 mm) each
Jaw Opening:	1.65" (42mm) max
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)
Relative Humidity:	0 to 85% @ 95°F (35°C), Non-condensing
Altitude:	2000m
SAFETY	
Safety Rating	EN 61010 300V Cat. IV, 600V Cat. III

*This unique recording mode provides the opportunity to continuously record over long periods of time by reducing the stored sample resolution of the oldest data and maintaining matching resolution for the newest data. Each time the memory fills up using XRM™, every other of the oldest stored samples is discarded making room for newer samples. This process continues until the recording is manually stopped.

ORDERING INFORMATION

Simple Logger® II Model CL601 (1-Channel, TRMS Clamp-on 600AAC) Cat. #2126.01
 Includes USB cable, DataView® CD-ROM, 2x1.5V AA-cell alkaline batteries, user manual and warranty card.



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