

LR8513 - WIRELESS CLAMP LOGGER

Measure Load Current and Leak Current Easily with Clamp Sensors.

Rating: Not Rated Yet

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Manufacturer [Hioki](#)

Description

Overview

Hioki Memory HiLoggers are high-speed data loggers for recording multiple channels of voltage, temperature, resistance or humidity signals, some models providing complete isolation between channels and strong noise resistance. The Hioki LR8513 is a wireless, 2-channel AC/DC current input module that utilizes Bluetooth® technology to either send measured data to the Hioki LR8410 Wireless Logging Station or to an Android (TM) tablet.

Key Features

- Measure AC and DC load current and AC leak current
- Choose from many current sensors
- Place inside a distribution panel, close the cover, and monitor measured values from the outside
- Measure power easily—just set the voltage and power factor
- Compact, two-channel model fits where other devices don't
- Download measurement data to a tablet or computer with Bluetooth® wireless technology or capture in real time with the LR8410
- Three-way power (AC adapter, AA alkaline batteries, or external 5 to 13.5 V power supply)
- Store 500,000 data points per channel

Specification:

Functionality	[Used as standalone product (Data collected manually)] Windows PC or Windows tablet (CD-R with software included) Android smartphone or Android tablet terminal (Software can be downloaded free of charge from Google Play.) *Communication range varies with the performance of the computer or tablet (up to a line-of-sight distance of roughly 30 m) [Used as logging module (Real-time measurement)] Device can be used as an LR8410 logging module to record and display data in real time and to control up to 7 units, Communication distance: 30 m
Number of channels	2ch (common GND)
Measurement items	AC load current, DC load current, AC leak current (using current sensor)
Effective value calculation	Software calculates the true RMS value
Measurement range	500.0 mA to 2000 A AC, 10.00 A to 2000 A DC (By current sensor) *Current and leak current that occur intermittently cannot be measured.
Measurement accuracy	±0.5% rdg.±5 dgt. (DC, AC 50/60 Hz) *Add the sensor's accuracy when the current sensor is connected
Display items	Measurement value, date, time, number of recorded data, maximum value, minimum value, and average value
Functions	Alarm, Scaling, Recording operation hold function, Erroneous operation prevention, Comment recording function, Power saving function, Authentication function, Free run
Recording	[Capacity] 500,000 data items for each channel [Mode] Instantaneous value, average value, maximum value [Interval] 0.5 to 30 sec, 1 to 60 min, 14 selections
Power source	AC Adapter Z2003 (100 to 240 V AC, 50/60 Hz), AA alkaline batteries (LR6) ×2, External power 5 to 13.5 V DC (can also be supplied from USB bus power, with a conversion cable)
Continuous operating time ([Capacity] 500,000 data items for each channel) (23°C)	3 months (Recording interval of 1 min, Bluetooth® OFF), 10 days (Recording interval of 1 sec, Bluetooth® ON), 5 days (Recording interval of 0.5 sec, during real-time measurement with the LR8410)
Dimensions and mass	85 mm (3.35 in) W × 75 mm (2.95 in) H × 38 mm (1.50 in) D, 130 g (4.6 oz) (excluding the battery)
Accessories	CD-R ×1 (Instruction Manual, Logger Utility, Wireless Logger Collector), Measurement Guide ×1, Caution for Using Radio Waves × 1, AA alkaline batteries (LR6) ×2