

LR8410 - WIRELESS LOGGING STATION

Wireless Multi-channel Data Logger Captures Up to 105 Data Points via Bluetooth®.

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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 LR8410-20 is an innovative wireless logging system capable of capturing up to 105 channels of data wirelessly using Bluetooth® wireless technology. SD Card bundled

Key Features

- Capture logging data using Bluetooth® wireless technology. Install logging modules in hard-to-reach locations (over line-of-sight distances of up to 30 meters *1) (*1) The presence of obstructions may shorten this range. In addition, radio wave intensities, which are indicated with the antenna-like indicators, vary depending on units even while these units are operating in the same environment. • Measurement units have built-in buffer memory so that measurement data can be saved if communication is temporarily disrupted.
- Choose an input unit based on the parameters you wish to measure (15-channel and 2-channel units are available)
- Easily add up to 7 input units wirelessly to keep your environment free of tangled wires (for a total of up to 105 channels when using 15-channel units)
- 100 msec simultaneous sampling across all channels using rapid scanning method
- Quick Set guide makes configuration a breeze

Specification:

No. of measurement channels	Max. 105 ch (use 7 units of LR8510 or LR8511) One or more LR8510 or LR8511 measurement modules are required. Main unit can control up to 7 modules with Bluetooth® wireless technology, mix and match modules as needed
Pulse, digital input	[Pulse totalization] [Rotation count] Not available
Recording intervals	100 ms(*2), 200 ms to 1 hour, 16 selections (All input channels are scanned within each recording interval.) (*2) Setting not available when the thermocouple burnout detection setting is on
Data storage	Internal memory: 8 M-words, Data storage media: SD memory card or

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	USB memory stick (Only data recorded to a genuine HIOKI SD memory card is guaranteed)
Interface	LAN: 100BASE-TX, Functions: Data acquisition using bundled software or PC commands, FTP server, FTP client, HTTP server function, or E-mail system USB: USB 2.0 series mini-B receptacle ×1, Functions: Data acquisition using bundled software or PC commands, Transfer data from the SD memory card to a PC via USB drive mode
Display device	5.7 inch TFT color liquid crystal display (640 × 480 pixel)
Functions	Save waveform data in real time to the SD memory card or USB memory stick, Numerical value calculations, Waveform calculations, 4ch alarm output (not isolated, common ground), and others
Power supply	[AC adapter] Using the AC adapter Z1008 (100 to 240 V AC, 50/60 Hz), 45 VA Max. (including AC adapter), 15 VA Max. (exclusive of AC adapter) [Internal battery] Using the Battery pack Z1007 (optional accessory), 3 hours of continuous use (at 23 °C reference data), 7 VA Max. [External power] 10 to 28 V DC, 15 VA Max. (Please contact your HIOKI distributor for connection cord)
Dimensions and mass	230 mm (9.06 in) W × 125 mm (4.92 in) H × 36 mm (1.42 in) D, 700 g (24.7 oz) (excluding Battery pack)
Accessories	Instruction manual × 1, Measurement guide × 1, SD memory card (2GB) Z4001 × 1, CD-R (data collection software "Logger Utility") × 1, USB cable × 1, AC Adapter Z1008 × 1