

LR8520 - WIRELESS FUNGAL LOGGER

Data Logger to Prevent Fungal Occurrence in Business Critical Locations.

Rating: Not Rated Yet

[Ask a question about this product](#)

Manufacturer [Hioki](#)

Description

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 LR8520 is a wireless and compact 1ch logger that records fungal index and growth prediction to easily prevent fungal growth. The logger utilizes Bluetooth® technology to either send measured data to the Hioki LR8410 Wireless Logging Station or to an Android (TM) tablet. Data can be downloaded using Hioki's tablet and smartphone app (for Android devices). Search for "HIOKI!" and download the Wireless Logger Collector!

Key Features

- High-precision $\pm 3\%$ rh humidity sensors
- Calculate and display fungal index*1 and growth prediction
- Measure temperature and humidity other than fungal index and growth prediction
- Compact 1ch logger (Temperature/Humidity each 1 ch input)
- 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 (Download app 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 an input 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
---------------	--

Hioki LR8520 - WIRELESS FUNGAL LOGGER

Number of channels	1 temperature channel + 1 humidity channel (Humidity sensor Z2010 or Z2011 is required (sold separately))
Display items	Temperature, humidity, fungal index (0 to 200), growth prediction (5 levels)
Measurable range	[Temperature] -40°C to 80°C, Range 100°C f.s., Max. resolution 0.1°C [Humidity] 0% to 100% RH, Range 100% RH f.s., Max. resolution 0.1% RH
Measurement accuracy (using Z2010/Z2011)	[Temperature] ±0.5 °C (10°C to 60°C), If outside above temperature range: Add 0.015 °C/ °C (-40 °C to 10 °C) or 0.02° C/ °C (60 °C to 80 °C) [Humidity] ±3% RH (20°C to 30 °C, 20% to 90% RH), Hysteresis: ±1% RH (Added to the humidity measurement accuracy)
Other functions	Measurement value, Date, Time, Number of recorded data, Maximum value, Minimum value, Average value, 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 [Interval] 0.5 sec to 30 sec, 1 min to 60 min, 14 selections
Power supply	ACAdapter 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 via a conversion cable)
Continuous operating time ([Capacity] 500,000 data items for each channel) (23°C)	3.5 months (Recording interval of 1 min, Bluetooth® OFF), 20 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 × 61 mm (2.40 in) H × 31 mm (1.22 in) D (Excluding protrusions), 95 g (3.3 oz) (Not including the battery)
Accessories	CD-R (Instruction Manual, Logger Utility, Wireless Logger Collector) ×1, Measurement Guide ×1, Caution for Using Radio Waves ×1, AA alkaline batteries (LR6) ×2 , Connection cable L1010 ×1