



Compact with High Accuracy, Convenient for Recording Temperature and Humidity

WIRELESS HUMIDITY LOGGER LR8514, LR8520



For applications such as:

Environmental testing, construction, factories, storage, agriculture

Conduct surveys and verifications efficiently

Easily record and manage the surrounding temperature and humidity. The logger is helpful for status analysis, improvement, and verification.

In addition, the LR8514 can simultaneously record the temperature and humidity in 2 locations, allowing you to compared conditions inside and outside a piece of equipment, for example. (With 2 sensors installed)



Recording temperature and humidity in a server room

LR8520
(with 1 channel of alarm output)
A separate, detailed catalog is available for this model.

Specifications

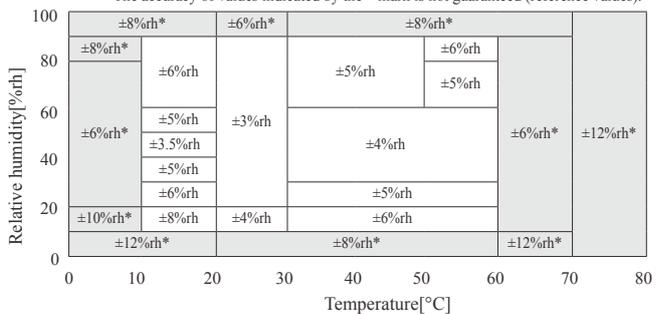
*Only the temperature and humidity sensors affect the measurement accuracy and are subject to calibration. The LR8514 and LR8520 loggers do not require calibration.

	LR8514	LR8520
No. of input channels	2 ch for temperature + 2 ch for humidity (2 sensors can be attached)	1 ch for temperature + 1 ch for humidity (1 sensors can be attached)
Measurement objects	Temperature, Humidity	Temperature, Humidity, fungal index (calculated based on temperature and relative humidity)
Output	--	Outputs alarm signals
Temperature measurement accuracy (using Z2010/Z2011)	±0.5 °C (10 °C to 60 °C), using Z2010/ Z2011 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 measurement accuracy (using Z2010/Z2011)	±3% rh (20 °C to 30 °C, 20% to 90% rh) If outside above range, see Figure 1. Hysteresis: ±1% rh (Added to the humidity measurement accuracy)	
Recording intervals	0.5 to 30 sec, 1 to 60 min, 14 selections	
Recording modes	Instantaneous value	
Dimensions, Weight	85W×61H×31D mm (3.35W×2.40H×1.22D in), 95 g (Not including the battery)	

Measurement objects	Range	Max. Resolution	Measurable Range
Temperature	100 °C f.s.	0.1 °C	-40 °C to 80 °C
Humidity	100%rh f.s.	0.1 %rh	0 %rh to 100 %rh

Humidity measurement accuracy (fig. 1)

The accuracy of values indicated by the * mark is not guaranteed (reference values).



Models and accessories

* Temperature and humidity sensor , AC Adapter are not included.

Model: WIRELESS HUMIDITY LOGGER LR8514

Model No. (Order Code): LR8514

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

Model: WIRELESS FUNGAL LOGGER LR8520

Model No. (Order Code): LR8520

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

Exclusive options

*Please see below for shared options.



HUMIDITY SENSOR Z2010
50 mm (0.16 ft)



HUMIDITY SENSOR Z2011
1.5 m (4.92 ft)



CONNECTION CABLE L1010
1.5 m (4.92 ft)
Bundled and also available for additional purchase

Shared options



AC ADAPTER Z2003
100 to 240 VAC,
50/60Hz

For long-term recording



MAGNETIC STRAP Z5004



MAGNETIC STRAP Z5020
Extra strength

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