

Measurement parameters

Temperature, Humidity

Data Collection

Wireless Communication with PC/ Cloud
Mobile App /Data Collectors /Base Station

The SUNLOG-2B Series includes data loggers designed to measure and record temperature & humidity. Variety of data collection tools are available to enable wireless collection of recorded data. USB port on request.

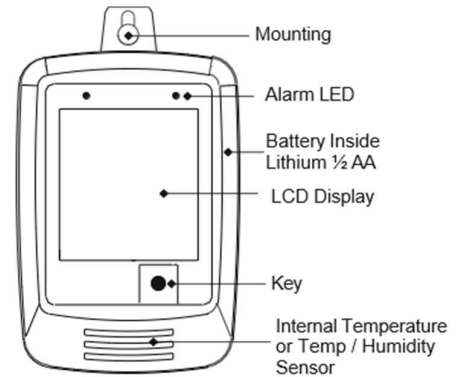
Model	Measurement Items	Measurement Range	Notes
SUNLOG-2B	Temperature / Humidity 1ch Each	-20°C to 55°C / 10% to 95% RH	Measure Temperature and Humidity
SUNLOG-2B-EXT	Temperature / Humidity 1ch Each	-20°C to 55°C / 10% to 95% RH	Measure Temperature and Humidity with extended 1.5Mtr Cable



With Internal Temperature Humidity sensor



With External Temperature Humidity sensor probe



SUNLOG-2B-TI or THI

Collect Data via Wireless Communication with the Mobile App / PC App

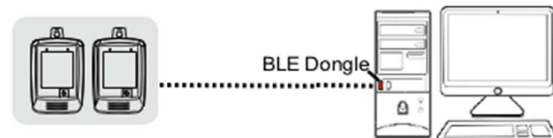
The datalogger have multiple type of data downloading options as described below. By connecting the device with SUN-App the policy can be fixed. For the report generation there are three types of software available. SUN-App is a Android software which allows to download data from single devices and report can be generated singularly. Bluetooth Logger is PC based software which allows to download data from devices one by one and in this bulk report is possible. Bluetooth Logger app is ideal solution for Validation Mapping type of applications.

A) Data transfer to Smartphone with SUN-App



SUNLOG-2B Series Loggers

B) Data transfer to SUN-DESK using Bluetooth Dongle



SUNLOG-2B Series Loggers

SUN-DESK PC software

SUNLOG-2B	-THI	
Measurement Channels	Temperature 1ch	Humidity 1ch
Sensor	Digital Sensor	Digital Capacitance
Measurement Units	°C, °F	%RH
Measurement Range	-20°C to 55°C	10 to 95 %RH
Accuracy	Avg.±0.2 °C	±3 %RH at 25 °C, 50%RH
Measurement Resolution	0.01°C	0.1 %RH
Responsiveness	Response Time (90%): Approx. 20 SEC.	
Logging Capacity	30,800 data sets (One data set consist-s of read ings for multiple channels.)	
Recording Interval	Select from 15 choices: 1, 5, 10, 30 sec. or 1, 5, 15, 30 min, 1Hr, 2Hr, 6Hr, 12Hr, 24Hr	
Recording Mode (*2)	Endless (Overwrite oldest data when capacity is full) or One Time (Stop recording when capacity is full)	
LED Indicators	Flashing RED LED indicates the alarming condition. Flashing Green LED indicates Logging is ON.	
Communication Interfaces	SUN-APP / Bluetooth Logger app software <Between Logger Unit(s) - smartphone / PC / Data collector > Bluetooth 5.0 (BLE) Freq 2.4Ghz , Range: 30m unobstructed;	
Data Download	The recorded data is directly uploaded to software	
Log Start/Stop setting	Start Delay: Settable by software; Start Mode: By button / software; Stop Mode: By button/ Memory full /software	
Power	Lithium Battery: 1/2AA Lithium Replicable	
Battery Life (*2)	Approx. 6 months	
Dimensions	H 75mm x W 52 mm x D 28 mm	
Weight	Approx. 25 g	
Operating Environment	-40 to 80°C -30 to 80°C during wireless communication	
Waterproof Capacity	Ip64: Splash proof (rated for use in daily life) (*3)	

*1: When continually used in environments with temperatures above 60°C, accuracy of humidity measurements will decrease over time. Also, humidity cannot be measured at temperatures below -20°C.

*2: The battery life is based on the following usage conditions: Recording at 5 minutes (or longer) intervals, Current Readings Transmission every 5 minutes, and Recorded Data Transmission once a day. Battery life also varies depending on ambient temperature, radio environment, frequency of communication etc.

*3: This is the waterproof capacity of the data logger with the sensor connected. Note that the temperature-humidity sensor is not water resistant.