

## Features and Specifications

### Measurement parameters

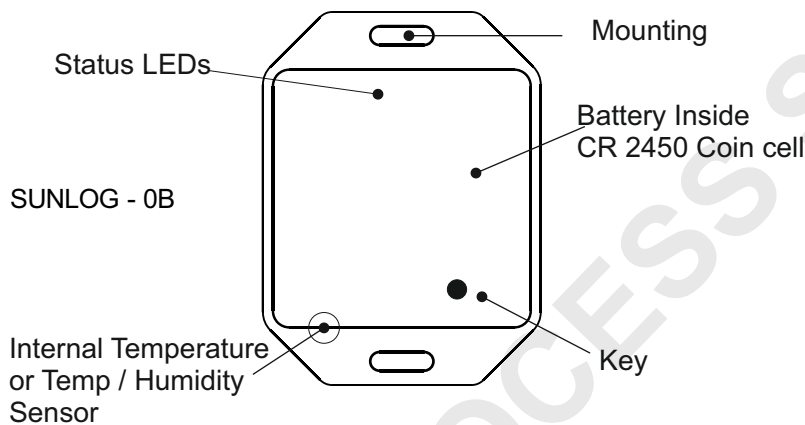
Temperature, Humidity, Lux  
Ambient Pressure

### Data Collection

Wireless Communication with Mobile App  
PC / Data Collectors

The SUNLOG-0B Series includes data loggers designed to measure and record temperature & humidity. Variety data collection tools are available to enable wireless collection of recorded data.

Model	Measurement Items	Measurement Range	Notes
SUNLOG-0B-TI	Temperature 1ch (internal sensor)	-30°C to 70°C	Gradual Response Time. Water resistant and Dustproof Capabilities using plastic bag.
SUNLOG-0B-THI	Temperature / Humidity 1ch Each	-20°C to 70°C / 10% to 95% RH	Measure Temperature and Humidity
SUNLOG-0B-LUX	Ambient Light	0-120000 Lux	Measure Ambient Light
SUNLOG-0B-AP	Ambient Pressure	300 to 1200 mbar	Measure Ambient Pressure



### Collect Data via Wireless Communication with the Mobile App / PC App / Data collector or Base station

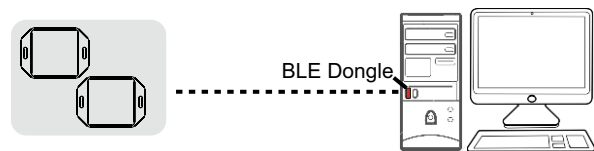
The datalogger have multiple type of data downloading options as described below. By connecting the device with SUN-App the policy can be fixed. For the report generation there are three types of software available. SUN-App is a Android software which allows to download data from single devices and report can be generated singularly. SUN-Desk is PC based software which allows to download data from devices one by one and in this bulk report is possible. SUN-Desk is ideal solution for Validation Mapping type of applications. Option D below is also available if number of devices are more. The SUN-Port Data Collector helps for bulk programming as well as bulk data download. This collected data can be uploaded in SUN-Desk at one go to save time. The SUN-Net is network software which creates a local wifi network or ethernet network where all devices are connected via variety of base stations.

#### A) Data transfer to Smartphone with SUN-App



SUNLOG-0B Series Loggers

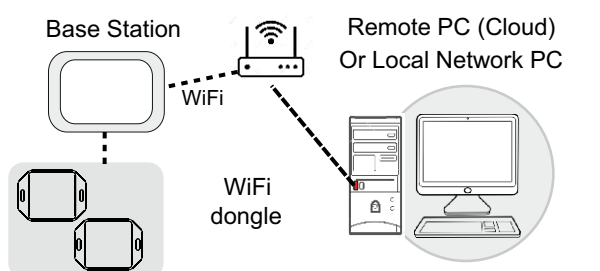
#### B) Data transfer to SUN-DESK using Bluetooth Dongle



SUNLOG-0B Series Loggers

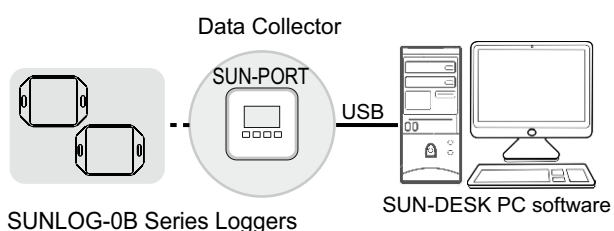
SUN-DESK PC software

#### C) Data transfer to SUN-NET PC software over Wifi Network



SUNLOG-0B Series Loggers

#### D) Data transfer to SUN-DESK using Data collector



SUNLOG-0B Series Loggers

SUN-DESK PC software

SUNLOG-0B	-TI	-THI		-LUX	-AP
Measurement Channels	Temperature 1ch	Temperature 1ch	Humidity 1ch	Ambient Light 1ch	Ambient Pressure 1ch
Sensor	Digital Sensor (Internal)	Digital Sensor	Digital Capacitance	Digital Sensor	Digital Sensor
Measurement Units	°C	°C	%RH	kLux	mbar
Measurement Range	-20 to 70°C	0 to 55 °C	10 to 95 %RH	400 to 120000 Lux	300 to 1200mbar
Accuracy	Avg.±0.2°C	Avg.±0.2 °C	±3 %RH at 25 °C, 50%RH	Avg. 5 lux	1 bar
Measurement Resolution	0.01°C	0.01°C	0.1 %RH	1	0.1 mbar
Responsiveness	Response Time (90%): Approx. 20 sec.	Response Time (90%): Approx. 20 sec		Response Time (90%): Approx. 20 sec.	Response Time (90%): Approx. 20 sec.
Logging Capacity	40,600 readings	30,800 data sets (One data set consists of readings for multiple channels.)		40,600 readings	40,600 readings
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 / SUNI-Desk software <Between Logger Unit(s) - smartphone / PC / Data collector > Bluetooth 5.0 (BLE) Freq 2.4Ghz , Range: 30m unobstructed; SUN-NET / SUN-Web software <Between Logger Unit(s) - Base station > Bluetooth 5.0 (BLE) Freq 2.4Ghz . Base station connects devices to SUN-NET / SUN-Web software <Between Base Station and Router > 2.4GHZ wifi connectivity.				
Data Download	The recorded data can be either directly downloaded to a smartphone with SUN-APP or Desktop with SUN-desk or SUN-NET App.				
Log Start/Stop setting	Start Delay: Settable by software; Start Mode: By button / software; Stop Mode: By button/ Memory full /software				
Power	Lithium Battery: CR2450 Replacable				
Battery Life (*2)	Approx. 6 months				
Dimensions	H 65mm x W 50mm x D 15 mm				
Weight	Approx. 18 g				
Operating Environment	-20 to 60°C -10 to 50°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.