Features and Specifications

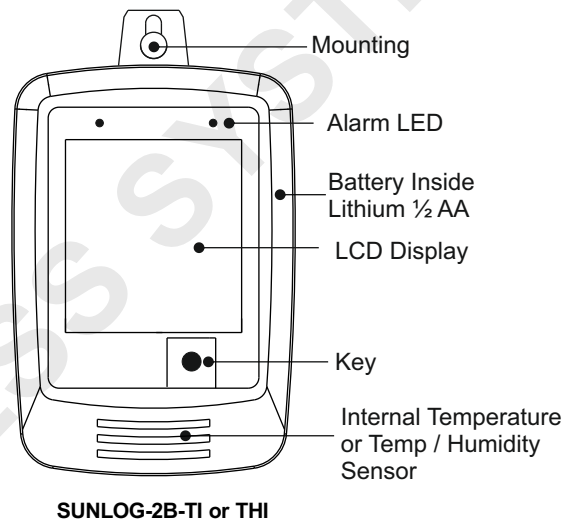| Measurement parameters	Data Collection
Temperature, Humidity	Wireless Communication with PC/ Cloud Mobile App /Data Collectors /Base Station

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-TI	Temperature 1ch (internal sensor)	-40°C to 70°C	Gradual Response Time. Water resistant and Dustproof Capabilities.
SUNLOG-2B-THI	Temperature / Humidity 1ch Each	-20°C to 55°C / 10% to 95% RH	Measure Temperature and Humidity

- Mounting
- Alarm LED
- Battery Inside Lithium ½ AA
- LCD Display
- Key
- Internal Temperature or Temp / Humidity Sensor

SUNLOG-2B-TI or THI

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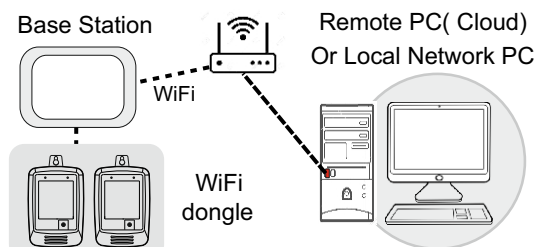
A) Data transfer to Smartphone with SUN-App

BLE (30m Range) — Android Phone

SUNLOG-2B Series Loggers

B) Data transfer to SUN-DESK using Bluetooth Dongle

BLE Dongle
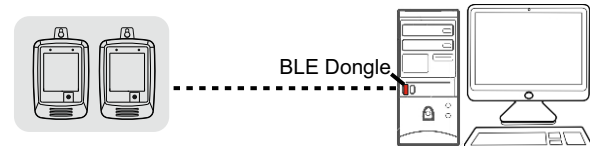
SUNLOG-2B Series Loggers — SUN-DESK PC software

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

Base Station — Remote PC(Cloud) Or Local Network PC

WiFi

WiFi dongle

SUN-NET Network PC software

SUNLOG-2B Series Loggers

D) Data transfer to SUN-DESK using Data collector

Data Collector

SUN-PORT

USB
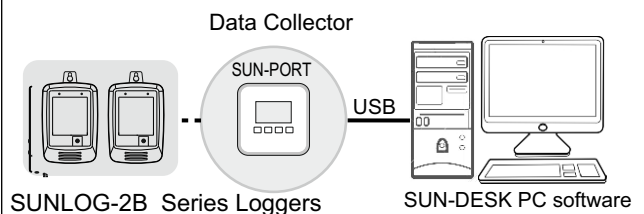
SUNLOG-2B Series Loggers — SUN-DESK PC software

SUNLOG-2B	-TI	-THI	
Measurement Channels	Temperature 1ch	Temperature 1ch	Humidity 1ch
Sensor	Digital Sensor (Internal)	Digital Sensor	Digital Capacitance
Measurement Units	°C, °F	°C, °F	%RH
Measurement Range	-20 to 70°C	-20°C to 55°C	10 to 95 %RH
Accuracy	Avg.±0.2°C	Avg.±0.2 °C	±3 %RH at 25 °C, 50%RH
Measurement Resolution	0.01°C	0.01°C	0.1 %RH
Responsiveness	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 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 / SUN-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 is directly uploaded to a SUN-NET or SUN-Web 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 Replacable		
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.