

LoRaWAN Temperature/Humidity Sensor

LAS-603V2 Features and Specs

Due to WW HACCP topic, the food safety is key important for customer. LAS- 603V2 temperature/humidity sensor is designed for refrigerator wireless temperature monitoring. We may use this device to track ambient changes in temperature/humidity and then stream the temperature/humidity data using wireless technology such as Lora. With LoRaWAN wireless module, this T/RH sensor status will be sent to the network server via gateway. Finally authenticated user can monitor the status remotely. It is optional for frequency 868MHz (Europe), 915MHz (USA), 920MHz (Taiwan, Japan, Singapore, Indonesia, Thailand. As it is with algorithm of low power consumption, the internal battery will work for 3 years (upload, once per four hours, every 5 minutes to detect, alarm message upload).

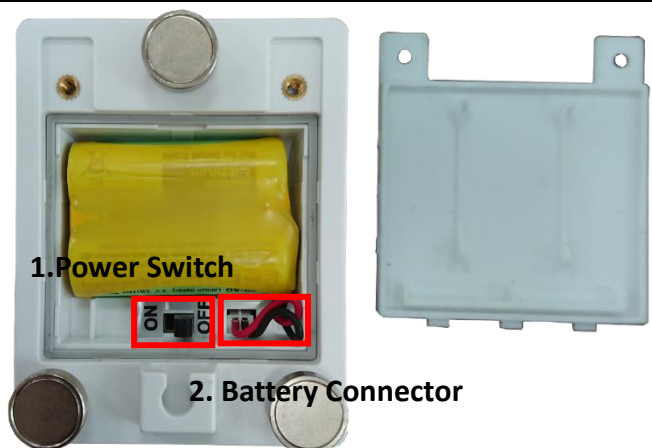
Features

- ◆ Ambient Temperature/Humidity monitoring and remote reporting
- ◆ One-Time Lithium Battery two cells pack, 2400mAhx2
- ◆ Embedded magnet adsorption to any iron metal face or equipment, plug and play.
- ◆ Sensirion Digital temperature sensor IC SHT-31, fully calibrated, linearized, and temperature compensated digital output.
- ◆ System operates range temp. (-30 °C to 70 °C)
- ◆ Embedded T/RH Sensor IC operates temp. (-40 °C to 125 °C), humidity (0 to 100 %RH)
- ◆ Power-saving Long-Range (LoRa) transmission mode
- ◆ Low drift 、 high response speed
- ◆ Small size 、 easy installation 、 working stable
- ◆ Long life, operation time at least up to 3 years with Lithium battery
- ◆ Configurable LoRa Parameters, time interval, SF, Frequency

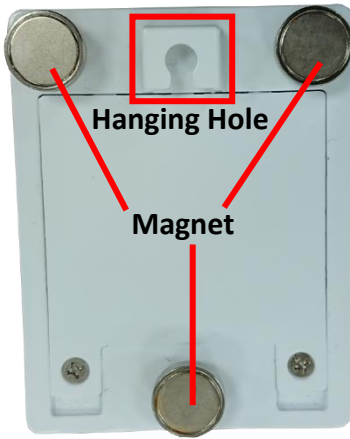
Installation



① To start to use LAS-603V2, the battery should be installed well and power switch should be ON position. Please loosen two screws at bottom of LAS-603V2 and open the back cover.



② Then make sure the battery is connected to connector and power switch is ON position.



③LAS-603V2 has two mounting methods. Magnet can be used to mount on metal surface and hanging hole can be used to hook on any surface having object.

Specifications

Operating Voltage	DC 3V
Battery	Lithium battery two cells pack, 2400mAhx2
Frequency	920.6 ~ 928MHz (Japan);920~928MHz (US)
Transmit Power	+13dBm (Japan); +20dBm (US)
Antenna	Embedded 2dBi
Certification	TELEC/VCCI/FCC
LoRaWAN Device Class	Class A
Activation	ABP
Measurement Range	-55~125°C
Abnormal Detection	Every 5 minutes
Report Interval	1~24 Hour, Default: 1 Hours Generate 1 record each hour.
Operating Temperature	-30~70°C
Storage Temperature	-40~85°C
Dimension	64 x 75 x 37mm
Weight	150g