

# SENSORS

LoRa TEMPERATURE AND HUMIDITY SENSOR

## FEATURES



**IoT-TEMP-IT-01 TH**



Battery life  
3 years



Highly precise  
temp & RH sensor



Button trigger  
for quick data testing



LED light indication  
for different status



Maximum range 5km



With LED display



Temperature  
humidity  
alarm notification



Low battery  
level notification



Working Principle



Sensor



LoRa Gateway-WiFi



Email-SMS-Alarm  
Notification

# SENSOR

IoT-TEMP-IT-01 TH

# Specifications

Dimensions



106mm \*57mm \*33mm  
4.17in\*2.24in\*1.30in

Net Weight



126g

Battery



Built-in 3.6V/4000mAh  
non-rechargeable

Accuracy of  
Temperature  
Humidity



Temp:  $\pm 0.30^{\circ}\text{C}$  (0~60 $^{\circ}\text{C}$ ),  
 $\pm 0.3^{\circ}\text{C}$ ~0.7 $^{\circ}\text{C}$  (other),  
Humidity:  $\pm 3\%$  (20~80%),  
 $\pm 4\%$  (other)

Battery Working Life



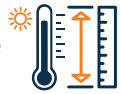
3 Years (in 15 Mins Interval)

Maximum Range  
in  
Open Area



5km

Operating  
Temperature  
Range



(-30 $^{\circ}\text{C}$  ~ +60 $^{\circ}\text{C}$ )

Operating  
Humidity  
Range



0%RH ~ 85% RH  
(non-condensed)

Memory Capacity



50000

Temperature  
Alarm



Yes,  
user definable

RF Frequency



433/470/868/915MHz  
(optional)

Modulation



LoRa

Transmit Power



20dbm (adjustable)

Transmit Interval



1min ~ 1440mins  
user definable

Low Voltage  
Alarm



Yes,  
user definable

Standby Current



<5uA

Water Proof



IP54