# LoRaWAN Temperature & Humidity Sensor

## LHT65



# OVERVIEW:

The Dragino LHT65 Temperature & Humidity sensor is a Long Range LoRaWAN Sensor. It includes a built-in SHT20 Temperature & Humidity sensor and has an external sensor connector to connect to external sensors such as Temperature Sensor etc.

The LHT65 allows users to send data and reach extremely long ranges. It provides ultra-long range spread spectrum communication and high interference immunity whilst minimizing current consumption. It targets professional wireless sensor network applications such as irrigation systems, smart metering, smart cities, building automation, and so on.

LHT65 has a built-in 2400mAh non-chargeable battery which can be used for more than 10 years.

LHT65 is full compatible with LoRaWAN v1.0.2 protocol, it can work with standard LoRaWAN gateway.

LHT65 has 3200 data records with datetime which can be retrieved with datetime for further analyze.

## Features:

- Wall mountable
- LoRaWAN Class A protocol
- AT Commands to change parameters
- Remote configure via LoRaWAN Downlink
- Firmware upgradable via program port
- Built-in 2400mAh battery for over 10 year use
- Built-in Temperature & Humidity sensor
- Optional External Sensors
- Tri-color LED to indicate status
- 3200 set sensor record with time stamp

## Sensor Spec:

**Built-in Temperature Sensor:**
- Range: -40 ~ +80 °C
- Accurancy: ± 0.8°C
- Resolution: 0.01°C

**Built-in Humidity Sensor:**
- Range: 0 ~ 99.9% RH
- Accurancy: ± 10%RH (10 ~ 90%RH)
- Resolution: 0.04% RH
- Response Time: < 5s

**External Temperature Sensor:**
- Resolution: 0.0625 °C
- MAX ±0.5°C accuracy from -10 to 85°C
- Max ±2°C accuracy from -55 to +125°C
- Operating Range: -55 °C ~ 125 °C

## Order Info:

LHT65-XXX-YY

XXX: Frequency Bands, options:
EU433,CN470,EU868,IN865,KR920
AS923,AU915,US915
YY: External Sensor . E1: DS18B20