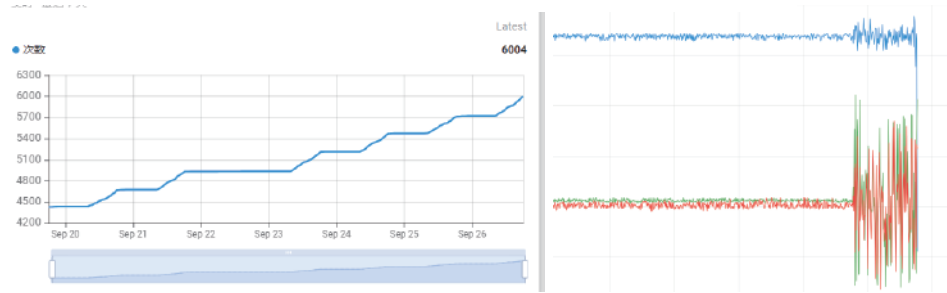


LoRaWAN Vibration Sensor

LHT65N-VIB



OVERVIEW:

The Dragino LHT65N-VIB LoRaWAN Vibration Sensor is designed to detect and measure vibrations, shocks, or accelerations of an object. By analyze the motion of the object, LHT65N-VIB can send meaningful results such as: Alarm, device runtime, counting, vibration strenght to IoT platform for further analyze.

It targets professional wireless sensor network applications such as monitoring equipment status, water leakage alarm, usage statistics, vibration intensity detection, etc.

The LHT65N-VIB 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.

LHT65N-VIB has a built-in 2400mAh non-chargeable battery which can be used for more than 3 years*.

LHT65N-VIB is full compatible with LoRaWAN v1.0.3 Class A protocol, it can work with a standard LoRaWAN gateway.

*The actual battery life depends on how often to send data, please see battery analyzer chapter.

Features:

- Detecting object vibration status
- Detect vibration alarm
- Calcula device runtime
- 3-axis accelerator for x,y,z
- LoRaWAN v1.0.3 Class A protocol
- Built-in 2400mAh battery for long time use
- Bands: CN470/EU433/KR920/US915/EU868/AS923/AU915
- Firmware upgradable via program port
- Built-in Temperature & Humidity sensor
- Remote configure parameters via LoRaWAN Downlink
- AT Commands to change parameters

Sensor Spec:

Built-in Temperature Sensor:

- Resolution: 0.01°C
- Accuracy Tolerance : Typ ±0.3 °C
- Long Term Drift: < 0.02 °C/yr
- Operating Range: -40 ~ 80 °C

Built-in Humidity Sensor:

- Resolution: 0.04 %RH
- Accuracy Tolerance : Typ ±3% RH
- Long Term Drift: < 0.25 RH/yr
- Operating Range: 0 ~ 96 %RH

External Vibration Sensor:

- Detecting object vibration status
- accelerator for x,y,z
- Small size for easy installation

Order Info: LHT65N-VIB-XX

XX: The default frequency band

- XX: Frequency Bands, options: EU433,CN470,EU868,IN865, KR920,AS923,AU915,US915