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INDUSTRIAL PRODUCT DATASHEET

LHT65N LoRaWAN Temperature & Humidity Sensor - 868MHz

LHT65N LoRaWAN Temperature & Humidity Sensor (868MHz) delivers wide-range temperature and humidity monitoring with long-range transmission, low power consumption, and flexible configuration for industrial, building, and...

SKU	UPDATED	PRICE
113990756	2026-09-21 10:03:14	$35.00(Excl. VAT)



Overview



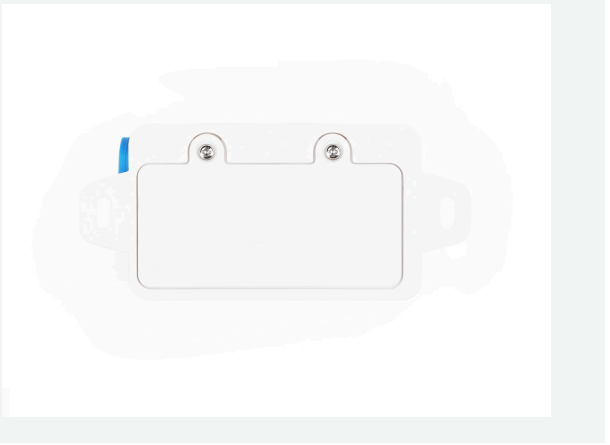
The LHT65N LoRaWAN Temperature & Humidity Sensor (868MHz) measures air temperature from -40~80°C and humidity from 0~96.0%RH, featuring low-power consumption with a 2400mAh battery for more than 10 years and long-range data transmission of 3~5 kilometers. It supports Helium and TTN platforms, optional external probes, retrieval of up to 178 historical data items, alarm functions, and AT-command parameter configuration for applications such as wireless alarm and security, home and building automation, automated meter reading, industrial monitoring and control, and long-range irrigation systems.

Key Features

- **Wide Measuring Range:** can measure air temperature range from -40 ~ 80°C and humidity range from 0 ~ 96.0 %RH
- **Low-power consumption:** 2400mAh battery for more than 10 years
- **Long-range data transmission:** Data can be transmitted within a range of 3~5 kilometers
- **Support for multiple platforms:** Quick to use on platforms like Helium and TTN
- **Optional external probe:** Supports external probes, such as the addition of surface temperature detection sensors.
- **Data retrievability:** a maximum of 178 historical data items can be extracted through a downlink command for you to retrieve sensor value
- **Alarm Function:** Not all the data is valuable. LHT65N enables you to focus on those data that you need to take action for
- **Flexible parameter configuration:** Supports AT commands to change parameters, can remotely configure parameters through LoRaWAN Downlink

Product Gallery













Specification

Air temperature	
Range	-40 ~ 85 °C

Resolution	0.01 °C
Accuracy	Typ ±3 °C
Long Term Drift	< 0.02 °C/yr
Air Humidity	
Range	0 ~ 96 %RH
Resolution	0.04 %RH
Accuracy	Typ ±3 %RH
Long Term Drift	< 0.02 °C/yr
External Temperature Probe	
Name	AS-01 base on DS18B20
Accuracy Range	±0.5°C accuracy from -10°C to +85°C ±2°C accuracy from -55°C to +125°C
Resolution	0.0625°C
Operation Temperature	-40 °C ~ 125 °C
Cable Length	2 meters
Working voltage	2.35v ~ 5v

Applications

- **Wireless Alarm and Security Systems**
- **Home and Building Automation**
- **Automated Meter Reading**
- **Industrial Monitoring and Control**
- **Long range Irrigation Systems,etc.**

Compliance & Logistics

HSCODE	9025900090
USHSCODE	9025900600
UPC	
EUHSCODE	9013101000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/LHT65-LoRaWAN-Temperature-Humidity-Sensor-Built-in-SHT20-868MHz-p-4253.html
- Datasheet

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