

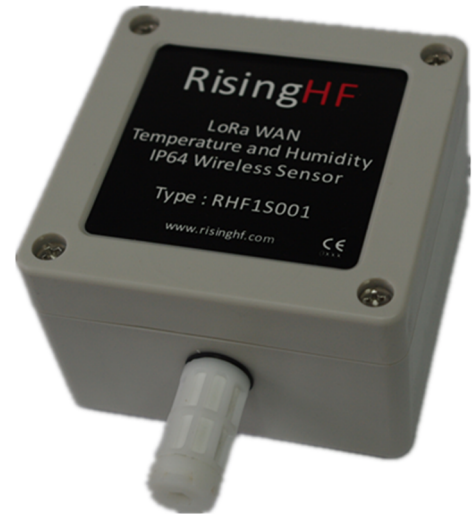
# RHF1S001 Temperature&Humidity Sensor

Support LoRaWAN ABP/OTAA mode and USB interface control.

## Product Description

Wireless LoRaWAN Temperature and Humidity Sensor Node

- Powered by lithium thionyl chloride battery: 5 years of operation for 1 uplink every 2 minutes.
- Uplink cycle could be configured by downlink command from server
- Operating temperature: -40°C to +85°C.
- Outdoor use: IP64 enclosure.
- Accuracy: ±5% RH typ. and temp ±0.5°C typ.
- LoRaWAN compatible: Class A, uplink rate programmable from 2 minute to 24 hours.
- High performance Internal Antenna
- Operating frequency band (other options at order):  
868MHz, < 25mW radiated power



RisingHF temperature and humidity sensor offers cost effective LoRaWAN end node solution for a variety of applications. Reliable and low power design allows a battery operation up to more than 5 years without any maintenance. IP64 enclosure concept and water splash proof unique sensor design are ideal for outdoor use and installation in low accessibility locations.

Sensor acquisition rate could be adjusted via LoRa WAN Class A downlink capability and permit to manage the battery life or the measurements capacity according to the needs of the application.

Rising HF sensors family is fully compatible and plug & play for LoRaWAN network operation.

## Specifications

ITEMs	Parameter	Specifications	Unit
Structure	Size	84 X 114 X 55	mm
Electrical Characteristics	power supply	3.6V battery	V
	Sleep current	1.5uA	uA
	Transmit current	120mA@20dBm set	mA
		45mA@14dBm set	mA
	Uplink cycle	2 minutes default	minutes
		Set by downlink command from server	
Battery life	more than 5 years with 2minutes cycle	years	
	more than 10 years with 5minutes cycle	years	

## RHF1S001 has CE Certification