



LoRa Temperature & Humidity Sensor

LoRa Temperature and Humidity Sensor is a battery-based sensor that measures the environment's temperature and humidity and sends it to the cloud platform via the LoRaWAN network.

Additionally, the device has an external sensor probe for extreme temperature sensing from -55°C and up to +125°C. The sensor is powered by a 2400 mAh battery that can last up to 10 years.

The sensor provides ultra-long-range spread spectrum communication and high interference immunity while minimizing current consumption. It is fully compatible with the LoRaWAN v1.0.2 protocol and can work with standard LoRaWAN gateway. It has 3200 data records with DateTime, which can be retrieved for further analysis.

Applications

- Smart Buildings Automation
- Manufacturing
- Construction
- Oil & Gas
- Mining
- Logistics and Supply Chain Management

Product	LoRa Temperature & Humidity Sensor
Model No.	LoRa Temperature & Humidity Sensor
Lora Connectivity	LoRaWAN Class A
Bands	EU433,CN470,EU868,IN865,KR920 AS923,AU915,US915
Battery	2400mAh for over 10 years* use.
Temperature IC	SHT20
Built In Temp Range	-40 ~ +80 °C
Accuracy	± 0.8°C
Resolution	0.01°C
Built In Humidity Range	0 ~ 99.9% RH
Accuracy	± 10%RH (10 ~ 90%RH)
Resolution	0.04% RH
External Temperature Probe Range	-55 ~ +125 °C
Accuracy	± 0.5°C (from -10-+85C). ± 2°C (from -55-+125C).
Certificate	FCC, CE