

Temperature Humidity Sensor

Compact



Description

The LoRaWAN sensor from *Smart Box & GeoPortal* takes temperature and humidity readings at set intervals and communicates this information through our portal.

The optional external temperature sensor allows for an extensive range of temperature measurement at difficult to reach locations.

Operation

The sensor measures temperature and humidity with high precision and is configurable to send alerts when the preset high or low temperature or humidity is reached. The alerts are sent as they occur (in real time) via Telegram or email.

The sensor data is stored in the portal for analysis.

Main Features

- Uses LoRaWAN technology
- Range of the wireless network: 5 km
- High precision temperature and humidity measurements
- Optional high range external temperature sensor
- Long lifespan with 2400mAh battery
- Sensor size: 13.5 x 7 x 3 cm
- Device Weight: 105g
- Easy to install and maintain

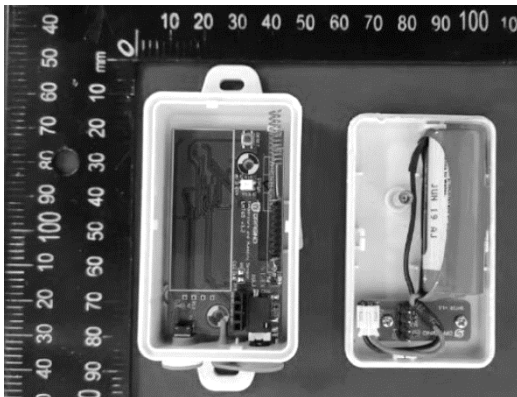
LoRaWAN™



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Specifications

Internal Temperature	
Range	-40 ~ 80 °C
Resolution	0.01 °C
Accuracy	± 0.8 °C
Internal Humidity	
Range	0 ~ 99.9 % HR
Resolution	0.04 %
Accuracy	± 10 % HR
External Temperature	
Range	-55 ~ 125 °C
Resolution	0.1 °C
Accuracy limited range	± 0.5 °C from -10 ~ 85°C
Accuracy complete range	± 2 °C from -55 ~ +125°C



Integrated Solution for Remote Monitoring