

EVA-2310

LoRaWAN Temperature and Humidity Sensor

NEW



Introduction

EVA-2310 is capable to measure temperature and humidity at different kinds of application, such like office, hospital, classroom, warehouse, etc. With its wide range, high penetration rate LoRa connectivity, the data transmission range can up till hundred or thousand meters away. EVA-2310 can be installed directly on the walls, metal box or poles. EVA-2310 is powered by 2 AA 3.6v Li-ion batteries, battery life can up till 5 years basing on certain condition.

Common Specification

Wireless Communication

▪ Frequency Band	EU 863-870 (MHz) / US 902-928 (MHz) / AU 915-928 (MHz) / AS 919-924 (MHz)
▪ Spreading Factor	7-12
▪ Transmit Power	Up to 20dBm
▪ Topology	Star (LoRa/LoRaWAN)
▪ Sensitivity	-148dB

General

▪ Power Input	3.6V AA Battery *2pcs (Not included)
▪ Battery Life	5 years@25 °C, 15mins interval setting
▪ LED Indicator	Power on, TX, reset to default
▪ Configuration Interface	Wireless downlink commands
▪ IP Class	IP30
▪ Mounting	Wall, Magnetic, Pole
▪ Dimension (H x W x D)	112 x 51 x 71.5 mm
▪ Certification	CE (RED), FCC, TELEC, RCM, NCC

Environment

▪ Operating Temperature	-20°C to 55 °C
▪ Operating Humidity	0% ~ 90% RH
▪ Storage Temperature	-40°C ~ 85°C
▪ Storage Humidity	0% ~ 90% RH

Temperature Sensor

▪ Measurement Range	-20°C ~ 55°C
▪ Accuracy	±1°C @25°C

Features

- LoRaWAN wireless connectivity
- -20 °C to 55 °C temperature detection range
- 0%RH to 90%RH humidity detection range
- Battery life up till 5 years@25 °C, 15mins interval setting
- Easy to deploy and maintain

Humidity Sensor

- Measurement Range 0%RH to 90%RH
- Accuracy ±4%RH @25°C

Ordering Information

LoRaWAN Temperature and Humidity Sensor

- **EVA-2310-NA** LoRaWAN Temperature and Humidity Sensor - US 902-928 (MHz)
- **EVA-2310-EA** LoRaWAN Temperature and Humidity Sensor - EU 863-870 (MHz)
- **EVA-2310-TA** LoRaWAN Temperature and Humidity Sensor - AS 919-924 (MHz)
- **EVA-2310-ZA** LoRaWAN Temperature and Humidity Sensor - AU 915-928 (MHz)

LoRaWAN Gateway

- **WISE-6610-NB** LoRaWAN gateway with NA915 MHz
- **WISE-6610-EB** LoRaWAN gateway with EU868 MHz
- **WISE-6610-TB** LoRaWAN gateway with AS923 MHz
- **WISE-6610-JB** LoRaWAN gateway with JP923 MHz
- **WISE-6610-EL-NB** LoRaWAN gateway with NA915 MHz and Edgelink
- **WISE-6610-EL-EB** LoRaWAN gateway with EU868 MHz and Edgelink
- **WISE-6610-EL-TB** LoRaWAN gateway with AS923 MHz and Edgelink
- **WISE-6610-EL-JB** LoRaWAN gateway with JP923 MHz and Edgelink

Accessories

- ***1760002647-01** Bat.Cylindrical 3.6V/2500mAh AA Li/SOCl2

*One EVA sensor need 2 batteries.

Mouser Electronics

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[EVA-2310-NA](#)