

# EVA-2510

## LoRaWAN Wireless Water Leakage Sensor

### Preliminary



### Features

- LoRaWAN wireless connectivity
- 3.5mm water line diameter
- Battery life up till 5 years@25 °C, 15mins interval setting
- Easy to deploy and maintain

Vertrieb durch



**AMC – Analytik & Messtechnik GmbH Chemnitz**

Heinrich-Lorenz-Str. 55 Tel.: +49/371/38388-0  
09120 Chemnitz Fax: +49/371/38388-99  
E-Mail: info@amc-systeme.de Web: www.amc-systeme.de

## Introduction

EVA-2510 is a water leak detection sensor, can be used in cooling system, water treatment system, etc. It can reduce the risk by alerting you to problems quickly so you can act to prevent severe damage. With its wide range, high penetration rate LoRa connectivity, the data transmission range can up till hundred or thousand meters away. EVA-2510 can be installed directly on the walls, metal box or poles. EVA-2510 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

## Water Leak Sensor

- **Water Line Diameter (max)** 3.5mm
- **Water Line Length** 1000mm (±10mm)
- **Water Line Flame Resistance Rating** VW-1
- **Water Line Length Limit** 300m (theoretical value)

## Ordering Information

### LoRaWAN Water Leakage Sensor

- **EVA-2510-NA** LoRaWAN Water Leakage Sensor - US 902-928 (MHz)
- **EVA-2510-EA** LoRaWAN Water Leakage Sensor - EU 863-870 (MHz)
- **EVA-2510-TA** LoRaWAN Water Leakage Sensor - AS 919-924 (MHz)
- **EVA-2510-ZA** LoRaWAN Water Leakage Sensor - AU 915-928 (MHz)

### LoRaWAN Gateway

- **WISE-6610-N100-A** LoRaWAN gateway supports up to 100 nodes with 915 MHz
- **WISE-6610-E100-A** LoRaWAN gateway supports up to 100 nodes with 868 MHz
- **WISE-6610-A100-A** LoRaWAN gateway supports up to 100 nodes with 923 MHz

### Accessories

- **\*1760002647-01** Bat.Cylindrical 3.6V/2500mAh AA Li/SOCI2

\*One EVA sensor need 2 batteries.