



# EVA-2210

## LoRaWAN 3-Phase Current Meter with 3 x 75A Clamp-On CT

### Preliminary



CE FCC

### Features

- LoRaWAN wireless connectivity
- 3 x 75A Clamp-On CT
- 0%RH to 100%RH humidity detection range
- Battery life up till 3.5 years@25 °C, 60mins interval setting
- Easy to deploy and maintain

## Introduction

EVA-2210 is capable to measure equipment current at different kinds of application, such like pumps, fan motors, compressors, computers, servers, etc. With its wide range, high penetration rate LoRa connectivity, the data transmission range can up till hundred or thousand meters away. EVA-2210 can be installed directly on the walls, metal box or poles. EVA-2210 is powered by 2 AA 3.6V Li-ion batteries, battery life can up till 3.5 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** 3.5 years@25 °C, 60mins 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

### Environment

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

## Clamp-On CT

- **Measurement Range** 100mA to 75A
- **Ratio** 3000:1
- **Operating Temperature** -40°C ~ 85°C
- **Accuracy** <math>\leq \pm 1\%</math> (300mA to 75A)

## Ordering Information

### LoRaWAN 3-Phase Current Meter w/75A CT

- **EVA-2210-NA** LoRaWAN 3-Phase Current Meter w/75A CT - US 902-928 (MHz)
- **EVA-2210-EA** LoRaWAN 3-Phase Current Meter w/75A CT - EU 863-870 (MHz)
- **EVA-2210-TA** LoRaWAN 3-Phase Current Meter w/75A CT - AS 919-924 (MHz)
- **EVA-2210-ZA** LoRaWAN 3-Phase Current Meter w/75A CT - 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.