

# LoRaWAN Outdoor Flow Sensor

**SW3L**



## OVERVIEW:

The Dragino SW3L is a LoRaWAN Flow Sensor. It detects water flow volume and uplink to IoT server via LoRaWAN network. User can use this to monitor the water usage for buildings.

SW3L is powered by 8500mAh Li-SOCI2 battery, It is designed for long term use up to 10 years. (Actually Battery life depends on the use environment, update period.)

The SW3L will send water flow volume every 20 minutes. It can also detect the water flow status and send Alarm, to avoid the waste for water usage such as broken toilet case.

SW3L is designed for both indoor and outdoor use. It has a weatherproof enclosure and industrial level battery to work in low to high temperatures.

Each SW3L is pre-load with a set of unique keys for LoRaWAN registration, register these keys to LoRaWAN server and it will auto connect after power on

## Features:

- Outdoor Use
- Datalog feature
- Wall Mountable
- Monitor water waste
- Upload water flow volume
- LoRaWAN v1.0.3 Class A protocol
- Firmware upgradable via program port
- AT Commands to change parameters
- Uplink on periodically and open/close event
- Remote configure parameters via LoRa Downlink
- 8500mAh industrial battery(none-rechargeable)
- Bands: CN470/EU433/KR920/US915/EU868/AS923 /AU915/IN865

## Flow Sensor Spec:

- SW3L-004: DW-004 Flow Sensor , diameter: G1/2" / DN15,450 pulse = 1 L
- SW3L-006: DW-006 Flow Sensor , diameter: G3/4" / DN20,360 pulse = 1 L
- SW3L-010: DW-010 Flow Sensor , diameter: G 1" / DN25, 60 pulse = 1 L

## Applications:

- Flow Sensor application
- Water Control
- Toilet Flow Sensor
- Monitor Waste water

## Order Info: SW3L-XX-YYY

XX:

- XX: Frequency Bands, options: EU433,CN470,EU868,IN865,KR920 AS923,AU915,US915

YYY:

- 004: DW-004 Flow Sensor
- 006: DW-006 Flow Sensor
- 010: DW-010 Flow Sensor