

# Wireless pulse counter - water

SKU: BLEWP100010



Ascorp pulse counter is used to remotely monitor water flow through a water meter in order to control the water consumption and related expenses. You can connect it to any water meter equipped with Standard output (SO) or pulse generator. The solution is dedicated for dispersed facilities, in which control of the water consumption is impossible or expensive. Analysis of meter's data allows you to decrease water bills and quickly detect anomalies and minimize the effects of flooding. The sensor can simultaneously work with up to three water meters. By default, each counted pulse represents one liter of flowing water (l). Data is presented in the form of water flow (in liters per minute) or in the form of water consumption over a selected period of time (in m<sup>3</sup>).

## Key features

- **Works with Ascorp Cloud**  
Together with Ascorp Cloud, the sensors enable constant monitoring, alerting about exceeding safe limits, generating reports and analyzes.
- **Long battery life**  
Loggers have been designed to work for up to 5 years on battery. You can forget about changing the battery frequently or troublesome battery charging.
- **Lower costs**  
Choosing wireless sensors and a cloud platform reduces the installation and maintenance costs.
- **Wide range of sensors**  
Ascorp sensors can measure various physical and chemical values. If you decide on one sensor today, you can expand your sensors fleet to another types anytime you want.
- **Integration**  
Standard communication protocols allow integration with any cloud platform or mobile application.
- **Easy set up**  
All you need to set up a logger is a smartphone with a free mobile application. The whole configuration takes no more than 15 minutes.

## Technical data

### Versatility

- The counter can cooperate with any device equipped with a pulse output

### Minimum pulse duration

- 5 millisecond

### Maximum pulse duration

- 500 millisecond

### Bluetooth Low Energy interface

- Communication: Bluetooth Low Energy (BLE)
- Radio module frequency: 2,4 GHz
- Power: 2,5 mW (4 dBm)
- Range: up to 100 m (LOS)
- Communication standard: Bluetooth Smart (Bluetooth Low Energy, Bluetooth 4.0)
- Transmission period: 1 s

### Up to 3 channels

- Simultaneous operation with up to 3 devices

### Battery

- Battery: 3,6 V, size AA, capacity 2 700 mAh (replaceable)
- Battery operating time: at least 5 years (measurement interval: 15 min)

### Mechanical

- Supported counters *NO (Pull-up 3.6V)*
- Dimensions: 27 x 71 x 71 mm
- Weight: 80 g (including batteries)
- Enclosure: plastic ABS, color white
- Enclosure IP rating: IP30

### Environmental

- Operating
  - ◆ Temperature: -35° to 70°C
  - ◆ Humidity: 0 to 99 non-condensing
- Storage and transportation
  - ◆ Temperature: -40° to 70°C

## Additional information

### Universal pulse counter

Ascorp wireless pulse counter can work with any water meter equipped with standard output (SO). The pulse counter has three channels and can count pulses from up to three meters simultaneously.

### Data security

Data transmitted wirelessly between the sensor and smartphone / Ascorp Gateway can be encrypted. Thanks to that, unauthorized persons cannot hijack the communication between sensors and other devices. Ascorp sensors' software can be updated over the air, which will allow you to easily install any security patch that is released.

### Integration

If you want to integrate Ascorp loggers with your software, cloud platform or mobile application, we will provide you with the necessary documentation, libraries and / or SDKs.