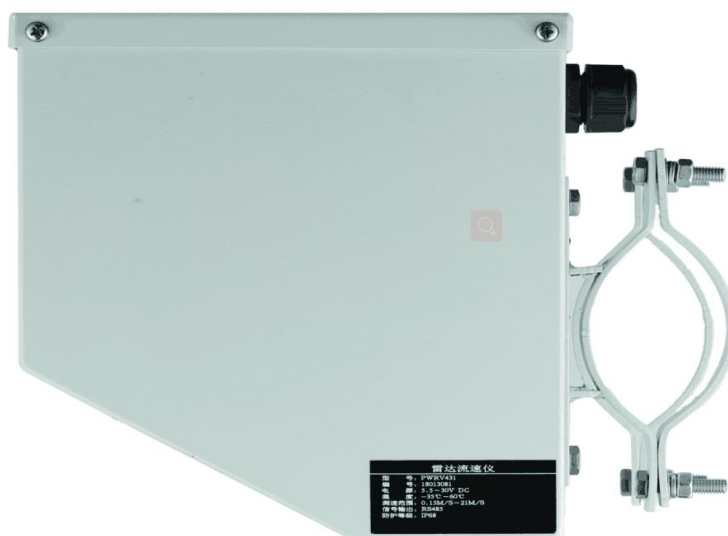


# SURFACE VELOCITY WATER SENSOR

## YANTAI RF-SVR



### .Overview

#### Instrument introduction

Radar velocity meters are also known as surface velocity meters, and are a type K - band range radar sensors with the functions of measuring surface velocity of streams, rivers and channels. It can be used as important instrument for a hydrometric station to collect velocity and flow information from a measured river or channel.

### Features

1. Non-contact measurement, no abrasion, no pollution
2. Array antenna, small size, light weight, easy to be installed
3. Built-in angle measurement function
4. Be not affected by corrosion and foams etc
5. Be not affected by change of steam, temperature and pressure
6. Available for solar energy system.
7. UV resistant material

## Technical data

Power supply: 5.5 - 30 V DC

Current : 50mA (working state),

<1mA (dormancy state)

Operating temperature: -35 - +60 degree Celsius

Storage temperature: -40 - +60 degree Celsius

Protection grade: IP68

Measuring range: 0.1 - 21m/s

Accuracy:  $\pm 1$ mm/s

Resolution:  $\pm 0.01$ mm/s

Measurement direction: from upper stream

Measurement duration: 2 - 240s

Sampling interval: 0s - 5h

Working frequency: 24 GHZ

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