

SVS1500M

Sound Velocity Sensor



High Accuracy

With the advanced "Time-of-Flight" technology, SVS1500M's accuracy was enhanced to 0.05m/s.



Quick response

Highest output rate can reach 30Hz data, which means SVS1500M can rapidly feedback to abnormal water current and sound velocity changing in some water field, so that it can provide accurate calibration to sound velocity.



Stable Performance

Adopt up-to-date sound velocity sensor, new material & measuring technology, SVS1500M greatly minimize the impact caused by environment in order to ensure the data performance.



Easy Operation

Plug and play mode is suitable for out field application. It can work with Laptop and various echo sounder quickly, or integrated with other sound velocity measuring parts easily.



Beijing Hydro-Tech Marine Technology,Ltd



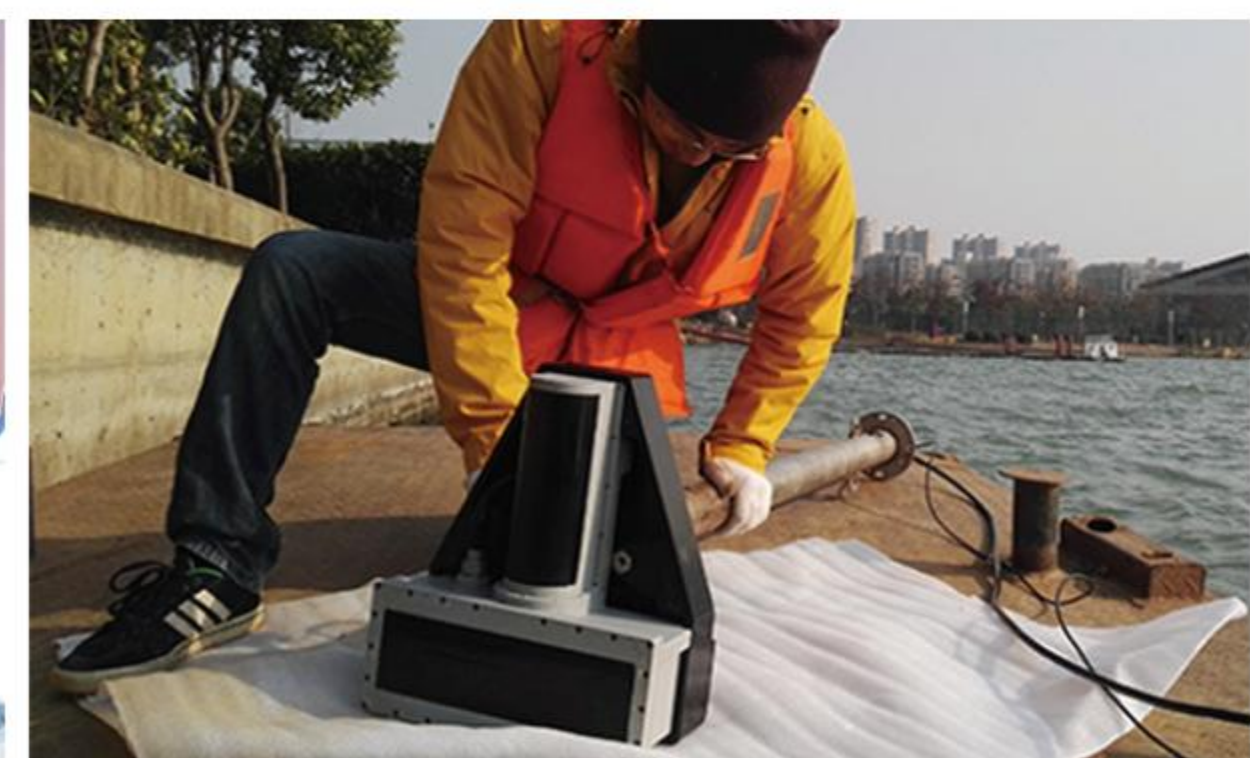
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SVS1500M sound velocity sensor adopts "Time-of-Flight" technology for sound velocity measurement. Combining with advanced digital signal processing technology, the sound velocity measuring accuracy can reach 0.05m/s. Based on compact IC and sensing technology, SVS1500 is small size and easy to carry. It is so convenient that it completely reduces not only the big error risk caused by the table checking method, but also the troublesome of the original inspection board comparing work.



Applications:



Single Beam
Surveying



Multibeam
Surveying



Acoustic
Positioning



Research &
Education



Ocean
Investigation



oil
Exploration



System
Integration



Technical Specifications

Sound Velocity Range	1100m/s~1900m/s
Sound Velocity Resolution	0.001m/s
Sound Velocity Accuracy	±0.05m/s
Sound Frequency	2MHz
Sampling Rate	1~30Hz
Max. Working Depth	50m
Temperature Sensor Type	PT1000
Temperature Resolution	0.001°C
Temperature Accuracy	±0.05°C



Electronic Specifications

Power Supply	12V±10%
Data Port	RS232
Deck Cable Length	15m waterproof Cable



Physical Specifications

Size	34mm x163.5mm
Weight	600g
Cover Material	316L Stainless Steel
Working Temperature	-5°C~45°C
Storage Temperature	-20°C~55°C



Software

HydroSvs	Standard
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Product specifications are subject to change without notice