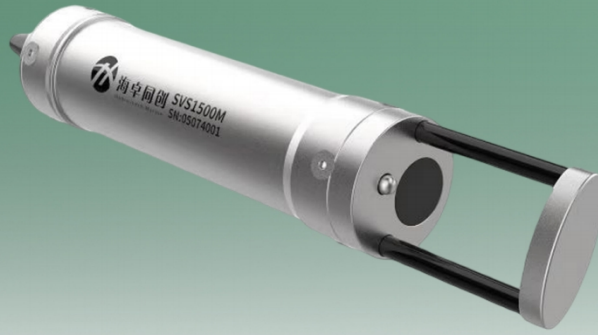# Hydro-Tech SVS1500

Sound Velocity Sensor

High Accuracy

With the advanced "Time Leap" technology, SVS1500's accuracy was enhanced to 0.05m/s.

Quick response

Highest output rate can reach 30Hz data, which means SVS1500 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, SVS1500 greatly minimize the impact caused by environment in order to ensure the data performance.
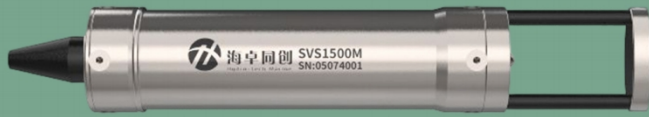
Easy Operation

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.
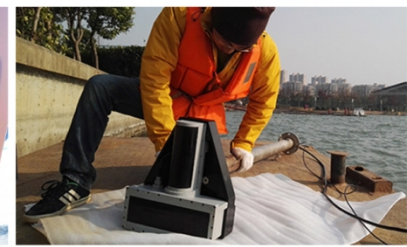
海卓同创
Hydro-tech Marine

Hydro-Tech SVS1500 Sound Velocity Sensor

SVS1500 sound velocity sensor adopts "time leap" technology for sound velocity measurement. Combining with advanced digital signal processing technology, the sound velocity measuring accuracy can reach 0.05m/s. Bas on compact IC and sensing technology, SVS1500 is small size and easy to carry. It is so convenient that completely reduce not only the big error risk caused by the table checking method, but also the troublesome of the orginal 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	1400~1600m/s
Sound Velocity Resolution	0.001m/s
Sound Velocity Accuracy	0.05m/s
Sound Frequency	2 MHz
Sampling Rate	1~30Hz
Temperature Sensor Type	PT1000
Temperature Range	0~40°C
Temperature Resolution	0.001°C
Temperature Accuracy	0.05°C
Max. Working Depth	200 m

Electronic Specifications

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

Physical Specifications

Size	Φ40mm x 255mm
Weight	1kg
Cover Material	316L Stainless Steel
Working Temperature	-2° ~ 45°C
Storage Temperature	-20°C ~ 55°C

Software

HydroSVS Standard	声速仪软件