SVP1500

Sound Velocity Profiler



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High Accuracy

With "Time-of-Flight" technology, SVP1500's accuracy was enhancedto 0.05m/s. Build-in high-precisionpressure sensor, depth accuracyreaches 0.15m. It has temperaturesensor and accuracy is 0.05°C.

Long Working Hours

Built-in high-performance lithium battery, SVP1500 can continuously work for longer than 8 hours. It is much easier to maintain.

Easy Operation

Internal 16GB massive storage space, which can store at least 4000 hours of data.

High Sampling Rate

The sound velocity measuring time interval is shorter, which improves the collection efficiency and greatly reduces the measuring time of a single sound velocity profiling. The Highest output rate can reach 30Hz.



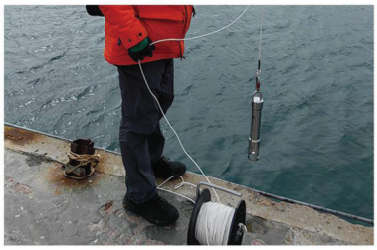
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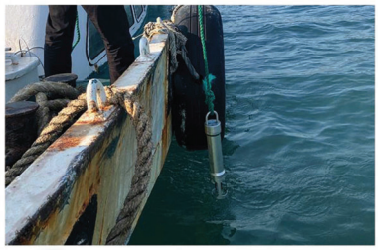
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Sound velocity profiler is widely used in many applications including marine survey, underwater construction, underwater terrain mapping, underwater navigation and positioning. SVP1500 sound velocity profiler adopts "time leap" technology for sound velocity measurement. The sound velocity measuring accuracy reaches 0.05m/s. It has integrated a high-precision pressure sensor. The depth accuracy can reach 0.15m, which had reached the world leading level.






Applications:

Single Beam Surveying

Multibeam Surveying

Acoustic Positioning

Education Research

Ocean Investigation

Oil Exploration



Technical Specifications

Sound Velocity Range	1400m/s ~ 1600m/s
Sound Velocity Resolution:	0.001m/s
Sound Velocity Accuracy:	0.05m/s
Sound Frequency:	2MHz
Sampling Rate:	1 ~ 30Hz
Temperature Sensor Type:	PT1000
Temperature Range:	0 ~ 40℃
Temperature Resolution:	0.001℃
Temperature Accuracy	+0.05℃
Depth Resolution	0.01m
Depth Accuracy	+0.15m
Max. Working Depth	300m

Electronic Specifications

Power Voltage	12.6V DC
Power Supply	Internal Lithium Battery
Battery Life	8h
Data Port	USB2.0
Data Cable Length	1.5m

Physical Specifications

Size	Φ75mm x 425mm
Weight	3.2kg (In air) / 1.8kg (In water)
Cover Material	316L Stainless Steel
Working Temperature	-5° ~ 45℃
Storage Temperature	-20℃ ~ 55℃

Software

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