

Hydro-Tech SVP1500

Sound Velocity Profiler



High Accuracy

With the advanced 'time leap' technology, SVP1500's accuracy is enhanced to 0.05 m/s. With a built-in high-precision pressure sensor, the SVP1500 achieves a depth accuracy of 0.15 m.



Long Working Hours

The built-in high-performance lithium battery allows SVP1500 to work continuously for over 8 hours.



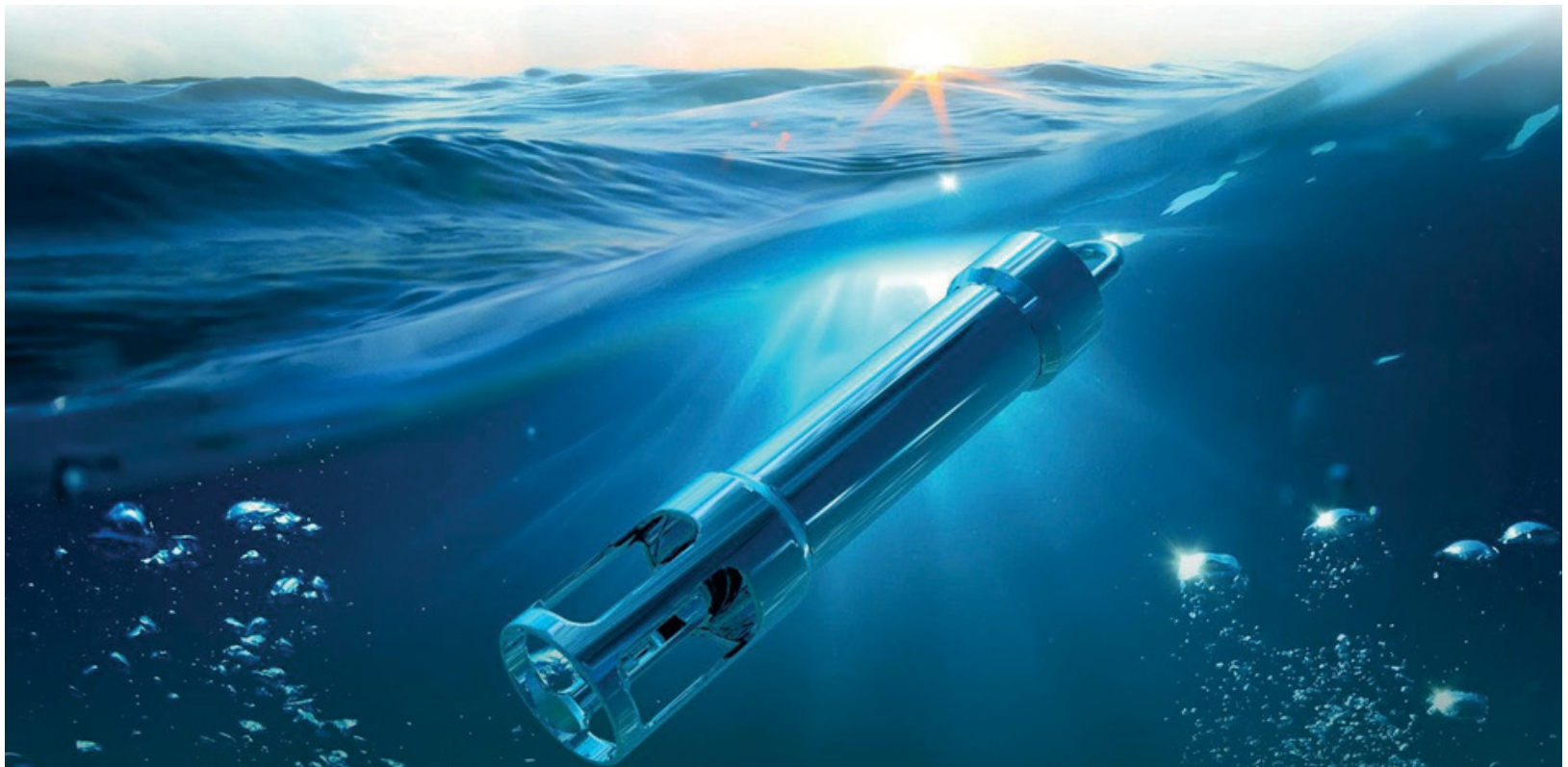
Easy Operation



16 GB of internal storage space can store up to 4000 hours of data.



High Sampling Rate

The short sound velocity measuring time interval improves efficiency, with output rates up to 30 Hz.



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Learn more

Hydro-Tech SVP1500 Sound Velocity Profiler



Sound velocity profiling is widely used in many applications including; marine survey, underwater construction, underwater terrain mapping, underwater navigation and positioning. The SVP1500 sound velocity profiler adopts 'time leap' technology for sound velocity measurement, accurate to 0.05 m/s. SVP1500's integrated high-precision pressure sensor achieves a depth accuracy of 0.15 m.



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°C
Temperature Resolution:	0.001°C
Temperature Accuracy:	+0.05°C
Max. Working Depth:	200m
Depth Resolution:	0.001m
Depth Accuracy:	+0.15m



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°C
Storage Temperature:	-20°C ~ 55°C



Software

HydroSVP Standard

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