

SVP1500 Sound Velocity Profiler



The sound velocity of the section in water is an important physical parameter of sonar equipment. The Sonic Profiler has been widely used in many military and civil fields, such as ocean survey, underwater mapping, underwater navigation and positioning. SVP1500 Series Sonic Profiler uses "Time leap" technology to measure sound velocity, the accuracy of sound velocity achieves 0.05m/s integrated high-precision pressure sensor, and the depth measurement accuracy reaches 0.15m, reaching the world advanced level.

The speed of sound velocity of SVP1500 velocity profile is small, which improves the efficiency of velocity profile acquisition, and greatly reduces the time of single sound velocity profile measurement. At the same time, built-in high-performance lithium battery, continuous work for more than 8 hours, easy to maintain. It has a 16G mass storage space that can store at least 4,000 hours of data for easy data management.

And the use of advanced structural design and high-performance materials, with small size, light weight, easy to carry, corrosion-resistant characteristics.

Specifications

Technical indicator	Parameter
Range	1400m/s~1600ms (Extended range can be customized)
Resolution	0.001m/s
Accuracy	±0.1m/s (SVP1500) , ±0.05m/s (SVP1500Plus)
Acoustic Frequency	2MHz
Output rate	8Hz (30Hz Optional)
Working depth	0~200m
Depth precision	±0.15m (200m Depth Range)
Depth resolution	0.01m
Temperature sensor	PT1000 Platinum Resistance Temperature sensor
Temperature measurement Resolution	0.001℃
Temperature measurement Accuracy	±0.05℃
Battery Life	Greater than 30hours
Weight	3.2Kg (In the air) /1.8Kg (in the water)
Materials	316LStainless
Instrument Size:	425mm (length) ×75mm (diameter)
Data cable	Standard 1.5m
Working temperature	-5~50℃
Data interface	USB 2.0
Power	Built-in Lithium battery
Charging voltage	12.6VDC
Configure software	HydroSvpV1.0 all in Chinese

Note: The technical parameters of product upgrades are subject to change without prior notice.

Physical dimensions

