

SOUTH

Sound Velocity Profiler

SVP60



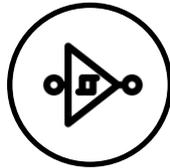
Time of Flight Tech



Multi-constellation



Record while Trigger



Magnetic Switch



Direct Calibration



Bluetooth Transfer

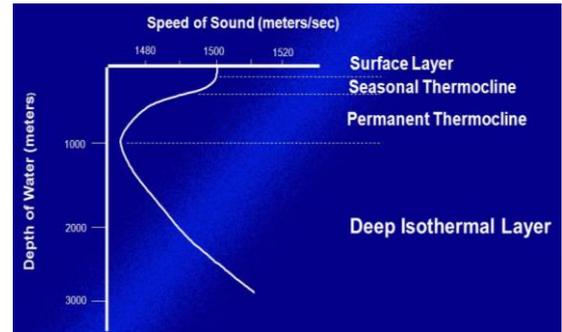


Graphic Display



Introduction

As a typical self-contained sound velocimeter, SVP60 features its time-of-flight measurement of acoustic ping. It may rapidly accomplish the underwater missions of sound velocity profiling within its measuring range.



The onboard GNSS positioning module helps with each sounding measurement and the specific non-physical-structural magnetic switch is more durable and trustworthy. This instrument provides realtime sounding profile data for error corrections to all types of sounding equipment like echo sounder, sonar, underwater sonic, etc. which makes it a necessary tool for hydro and watercourse survey, ocean research and reconnaissance, and national defense applications.

Plenty of job practices made it a field-proven product in terms of accuracy and reliability.

Specification

TECHNICAL

Velocity Range	1375-1900 m/s
Velocity Resolution	0.001 m/s
Velocity Accuracy	± 0.02 m/s
Depth Measuring Range	0-200 m
Depth Measuring Resolution	0.01 m
Depth Measuring Accuracy	± 0.05 m

ENVIRONMENTAL

Working Temperature	$-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$
Temperature Sensing Resolution	0.001°C
Temperature Sensing Accuracy	0.01°C

PHYSICAL

Housing Material	aluminum hard anodized
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ELECTRICAL

Communicating Interface	Bluetooth transfer
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OTHERS

GNSS Positioning	GPS + Glonass + Beidou
Switch Mode	magnetic

