星天海洋
STARTEST MARINE



SoundSurface

Surface Sound Velocity Sensor

Product Overview

SoundSurface is a compact and well-structured surface acoustic acoustic instrument that collects high-precision, high-resolution acoustic data in real time for multibeam sound.

Quick-battered correction.

SoundSurface uses time leap technology to provide mapping-level acoustic data, standard version resistant to pressure depths of 50 m, deep-sea version resistant to pressure of up to 11,000 m, shell resistant to corrosion, pressure and easy to clean, flowline structure designed and flexiblely integrated into platforms, including autonomous navigation platforms such as submarines, AUVs and ROVs

Sufficient to special mission needs.

[Product Features]



- Directly read surface acoustics
- High precision of mm class
  High-resolution sound speed data
- Flexible wiring and data formats
  It can be used in other acoustic systems integration
- Tight, high-pressure-resistant shell.
- But OEM or customised design

[Technical Specifications]

Acoustic speed range	1410~1700m/s
Acoustic speed measurement precision	Better than 0.05 m/s
Sound speed measurement resolution	0.001m/s
Output Rate	1 ~30 Hz, user modifiable
Supply Voltage	9~36VDC(TYPE:12V
Power	≤0.6W
Pressure-resistant depth	Greater than 50 m
Dimensions	ϕ32mm×148mm
Weight	≤0.3kg
Water connector	(one)
Data protocol	AML (customable)
Watery cables	(10m, custom)

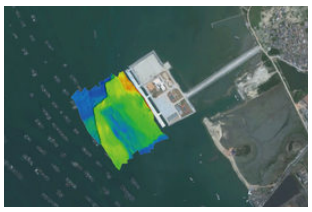
[Software Specifications]

- 2 Auxiliary Sensor Configuration Software
- Achieving access to and storage of raw data from profilers
- Configure Partial Parameters
- Acoustic profiler data smoothed and thind and stored

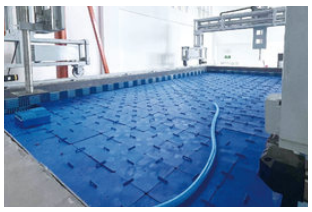
[Equipment Components]

The surface acoustic speedometers consist mainly of acoustic probes and communication cables, which transmit the measured data directly through the cable to equipment such as computers or multibeams. Measurement software provided by the manufacturer will enable the requirements of different Porter rates, different data patterns, etc., for different types of plant, multibeams and so forth.

[Applications]



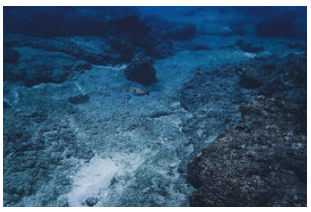
Multibeam measurements



The hydroacoustic experiment.



Teaching and scientific research



Marine mapping

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