



The HY1203 SVP measures underwater sound velocity, depth and temperature where the sensor is for calibrating echosounders, sonar systems and other acoustic instruments. It adopts "Time of Flight" technology and improves the accuracy to 0.05 m/s, which reaches to world-leading level. It is extensively used in the field of hydrography, geophysical exploration, defense and security, scientific research, etc.

# HY1203 Sound Velocity Profiler

## Features

- Accurate & reliable sound velocity measurement applying "Time of Flight" technology.
- Accurate & reliable depth and temperature measurement.
- Depth triggering for data recording.
- Display of sound velocity and temperature profile curve.
- Direct calibration using average sound velocity curve.
- Regular calibration and checking in the factory available.





## Specifications

### Sound Velocity

- Range: 1400~1600 m/s
- Accuracy: 0.05 m/s
- Resolution: 0.001 m/s

### Depth

- Range: 0~200m typical
- Accuracy: 0.2m
- Resolution: 0.01m

### Temperature

- Range: 0~40°C
- Accuracy: 0.02°C
- Resolution: 0.001°C

### I/O Interfaces

- Connector: MCBH6M (316 stainless steel)
- Output: RS232 serial port
- Baud: 115200
- Capacity of records: Up to 100 files, 1 million sets of data

### Power

- Supply: Large capacity battery
- Power: <0.7 W

### Physical

- Cable length: 1.5m communication cable
- Dimension: 380 mm (L)×53 mm (D)
- Weight: 1.35 kg in air (W/O cable)

