



The HY1202 is a real-time surface velocity profiler for sound measurement in ocean, river and lake within 50 meters depth rating. It is applied to fixed-mount installation on surface ships, submarines, AUVs, ROVs and other self-propelled platforms. The HY1202 SVP adopts "Time of Flight" technology and improves the accuracy to 0.05 cm, which reaches to world-leading level. It is connected to MBE or other instruments via cables, which achieves power supply and RS232 data communication.

HY1202 Surface Velocity Profiler

Features

- Accurate & reliable sound velocity measurement applying "Time of Flight" Technology.
- Corrosion and pressure resistant compact 316 stainless steel housing.
- Mechanical design for easy cleaning, optimal flow and flexible integration.
- Direct path ultrasonic echosounding with 2MHz transducer element.





Specifications

Sound Velocity

- Range: 1400 m/s~1700 m/s
- Accuracy: 0.05 m/s
- Resolution: 0.001m/s
- Depth rating: 0~50 meters

I/O Interfaces

- Connector: MCBH6M (316 stainless steel)
- Output: Standard RS232 serial port
- Baud rate: 9600-115200
- Output Formats: Universal programmable ASCII, Valeport, AML, NMEA and others

Electrical

- Supply: 12 VDC (7VDC-20VDC)
- Power: 0.5W typical, 1W maximum

Physical

- Cable length: 15m watertight cable
(standard configuration)
- Dimension: 190 mm (L) × 39 mm (D)
- Weight: 450 g in air (W/O cable)

