

Valeport Mini Sound Velocity Sensor (Mini-SVS)

Deskripsi

Mini Sound Velocity Sensor (MiniSVS) dapat digunakan untuk pengukuran kecepatan suara dengan permukaan air laut. Biasanya SVS dipasang bersebelahan dengan transducer multibeam echosounder. MiniSVP dilengkapi dengan titanium body sehingga sangat cocok untuk operasi survei maupun penelitian dari pesisir hingga perairan dalam.

Merek Alat

Valeport Mini-SVS

Kelengkapan

- Valeport miniSVS titanium housed with 50mm path length
- Test Cable (probe to PC and power supply), RS232
- Tool kit
- Operating manual
- Transit case.

Fungsi

- Mengukur kecepatan suara secara in situ (single point)

Spesifikasi

Sound Velocity

- Range 1375 – 1900 m/s
- Resolution 0.001 m/s
- Accuracy Dependent on sensor size

Sample Rate

Selectable, dependent on configuration

Acoustic Frequency

2.5 MHz

Communications

The miniSVS has RS232 & RS485 output, selected by command code. RS232 data may be taken directly into a PC over cables up to 200m long, whereas RS485 is suitable for longer cables (up to 1000m) and allows for multiple addressed units on a single cable.

Baud Rate 2400 – 115200
(NB, low baud rates may limit data rate)

Protocol 8 data bits, 1 stop bit, No parity, No flow control

Electrical

Voltage 9 – 28V DC
Power 0.25 W (SV only)
Connector SubConn MCBH6F

Physical

Housing & Bulkhead Titanium housing
Depth Rating 6000m (Titanium)

Instrument Size

Main Housing	48mm Φ
Sensor Body	54mm Φ
Length	435mm (including connector)
Weight	1 kg (housed type)
Transducer Window	Polycarbonate
Reflector Plate	Titanium

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