UV-SVP

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Based on the Valeport miniSVS, the UV-SVP offers a form-factor designed for Underwater Vehicles where space is at a premium. Incorporating Valeport's class leading time of flight sound speed sensor, a PRT temperature sensor and a 0.01% pressure sensor in a compact package weighing just 750 grams (in air), the lightweight titanium housing gives a depth rating of 3000m. A wide range (9-30V DC) isolated power supply and RS232 communications complete the package.

Sound Velocity:

Each sound velocity measurement is made using a single pulse of sound travelling over a known distance, so is independent of the inherent calculation errors present in all CTDs. Our unique digital signal processing technique virtually eliminates signal noise, and gives an almost instantaneous response; the digital measurement is also entirely linear, giving predictable performance under all conditions.

Range:	1375 - 1900m/s
Resolution:	0.001m/s
Accuracy:	±0.020m/s

Temperature:

Range:	-5°C to +35°C
Resolution:	0.001°C
Accuracy:	±0.01°C

Pressure:

Range:	5, 10, 30, 50, 100, 300
Resolution:	0.001% range
Accuracy:	±0.01% range

Data Output

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:	19200 - 115200
Protocol:	8 data bits, 1 stop bit, No parity, No flow control

Electrical

Voltage:	8 - 30vDC Isolated
Power:	0.35W
Connector:	Subconn MCBH6M

Physical
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Depth Rating:	3000m
Weight:	0.75 kg (in air)
Housing & Bulkhead:	Titanium

Ordering

All systems supplied with operating manual and carry case

Available Q2 2014

Dimensions (mm)

As part of our policy of continuing development, we reserve the right to alter at any time, without notice, all specifications, designs, prices and conditions of supply of all equipment

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