



Portable SVP

Sound Velocity Profilers For Depth
Ranges From 40 to 2000 Meters



Portable SVP

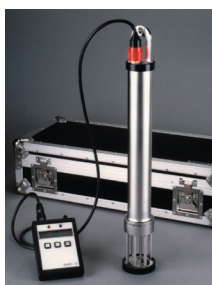
- Self recording and/or direct reading
- High-precision measurement using direct sounding
- Handy and portable, easy-to-use
- Integrated battery, giving long operation
- Integrated verification procedures
- PC software included
- Based on proven, reliable design
- Includes external battery charger and power supply

RESON's Portable SVPs include a range of models that use direct sounding technology to measure sound velocity while a vessel is underway.

SVP 20/25 models are deeper water systems that measure temperature as well as sound velocity. SVP 14/15 models measure sound velocity for shallow depths (temperature measurement for these models is available as an option). Housed in a compact yet easy-to-use unit, all Portable SVPs can operate in two modes:

- 1) They can send sound velocity data directly via cable to an external device
- 2) They all can operate autonomously by using the internally sealed and rechargeable batteries and storing data collected in internal memory

All RESON SVPs also include PC-based software for logging and presentation.





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Control:

PC software package for logging and presentation

Scope of delivery:

For SVP 14/15 & SVP 14T/15T: SVP unit, SVPD-10 unit, 3m power cable, 2m subconn cable, 3m D-SUB 9-pin interface cable (PC), and PC software for logging and presentation.

For SVP 20/25: SVP unit, power supply/interface box, 3m power cable, 3m D-SUB 9-pin interface cable (PC), and PC software for logging and presentations. Options available: SVPD 10 unit for manual data read out supply

SPECIFICATION SVP	14/15	20/25
Sound velocity		
Range:	1350-1600m/sec	1350-1600m/sec
Resolution:	0.1m/sec	0.1m/sec
Accuracy:	± 0.25m/sec	± 0.25m/sec
Depth Range:		
SVP 14 / 20:	40m in 0.5m steps	1000m in 0.5m steps
SVP 15 / 25:	200m in 0.5m steps	2000m in 1m steps
Measurement:	Pressure sensor	Pressure sensor
Accuracy:	± 0.10m + 0.2% of measured depth	± 0.25m + 0.2% of measured depth
Temperature accuracy:	± 0.4°C (SVP 14T/15T models only)	± 0.4°C
Barometric adjustment:	Self-adjusting zero point	Self-adjusting zero point
Ultrasonic transmitter:		
Power:	1W	1W
Output rate:	10Hz	10Hz
Frequency:	2MHz (nominal)	2MHz (nominal)
Data transmission:	RS-232 at 9600 Baud 7 data bits, odd parity, 2 stop bits	RS-232 at 9600 Baud 7 data bits, odd parity, 2 stop bits
Memory capacity:		
	80 measurements (SVP 14) 400 measurements (SVP 15)	6000 measurements with three internal profiles
Operating temperature:	0 to +45°C	0 to +45°C
Power Consumption:	100mA	100mA
Source:	Internal batteries, providing min 20 hrs continuous operation	Internal batteries, providing min 24 hrs continuous operation
Supply:	115/230VAC with 2m cable	115/230VAC with 2m cable
Housing:	Black polycarbonate	Marine grade stainless steel
Connector:	6 pin Subcon	6 pin Subcon
Weight:	5.0kg	8.0kg
Dimensions:		
Tube diameter:	90mm (3.5 inches)	70mm (2.75 inches)
Max. diameter:	100mm (4 inches)	100mm (4 inches)
Length:	550mm (22 inches) includes reflector	745mm (29 inches) includes reflector

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For Acoustical Measurement Accuracy please refer to www.reson.com or contact sales.



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