

Teledyne Odom Hydrographic

Digibar S

Self-Contained Sound Speed Profiler

The New Standard in Sound Velocity Measurement

The rugged all stainless steel DIGIBAR S was designed for untethered sound velocity casting. This configuration frees the probe from its electrical cable making deeper sound speed profiling a much easier and more reliable task. With a 500m maximum depth capability and storage for multiple casts, the profiler's flexible design still maintains some of the best features of the popular Digibar Pro.

Accurate, easy to use, rugged and reliable all appropriate descriptors of the Digibar S and the hallmark of Teledyne Odom's product lines.



PRODUCT FEATURES

- Velocity profiles downloaded to a computer
- Rechargeable battery operated
- 12 hour operation between charges
- Stainless steel construction
- LED status indicator
- Sampling by depth or time
- Simple to use
- Lightweight
- Portable



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TECHNICAL SPECIFICATIONS

VELOCIMETER

Velocity Range	1400-1700m/sec (4593-5577 ft/sec)
Velocity Resolution	0.1m/sec
Velocity Accuracy	± 0.05m/sec RMS
Memory	64KB of battery backed internal memory File Header= 16 bytes 1 Logging event = 16 bytes 250 casts maximum
Communication Interface	USB download software supplied
Operating Temperature Range	-2° to 40°C (in water)
Sample Rate	1kHz
Velocity Measurement Technique	Time of Flight
Logging basis	Depth or Time (0.25m or 1 sec)
Dimensions (Length x Diameter)	61cm L x 6.04cm D, (24 x 2.375 in)
Weight	2.84kg (6.25lb) in air
Power	3 Rechargeable AA Nickel Metal Hydride Batteries
Charging Method	USB port or AC power adapter (USB port adapter cable supplied)
Temperature Resolution	0.01°C
Temperature Accuracy	0.05°C RMS
Environmental	Operating Temperature 0° to 50°C

DEPTH/PRESSURE SENSOR

Barometric Adjustment	Automatic
Depth Range (Select One)	0-100m (200psi sensor), 0-500m (1k psi sensor)
Depth Resolution	0.1m
Depth Accuracy	0-100m +/-0,25% of full scale 0-500m +/-1% of full scale