

odom

DIGIBAR PRO™

FOR SEA FLOOR OR
RIVERBED SURVEYS



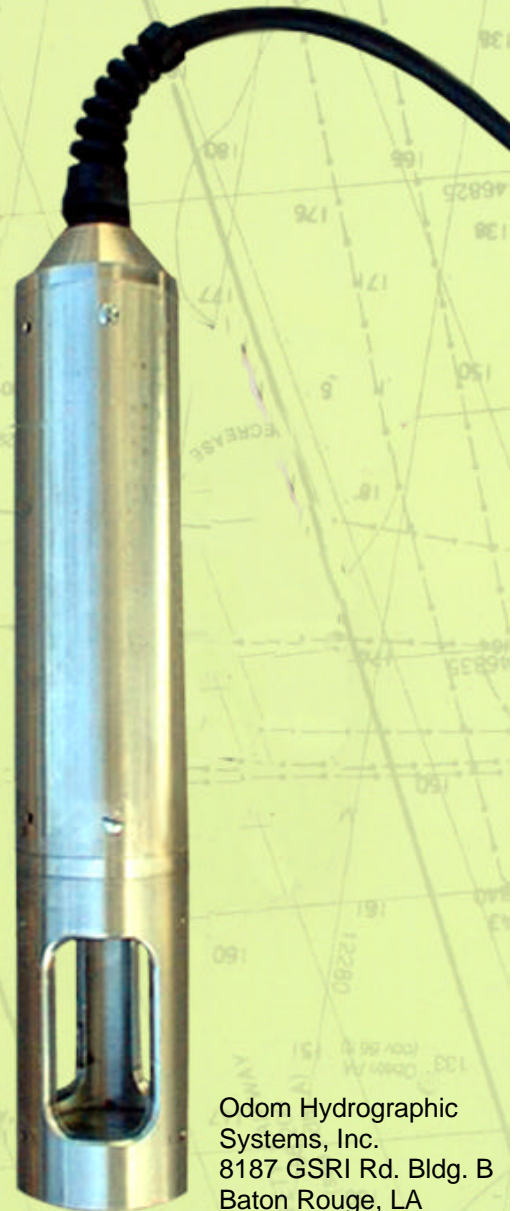
SOUND VELOCITY CALIBRATOR

DIGIBAR PRO is the most cost-effective means of obtaining accurate water column sound velocities. Used primarily to calibrate acoustic systems, DIGIBAR PRO offers a fast and safe method for sound velocity calibration as compared to the traditional "bar-check". Regardless of sea state or current, the probe is simply lowered into the water to log sound velocity / depth samples (by time or depth interval) as the probe descends. The "sing-around" principle of velocity measurement automatically compensates for all influences -- including water salinity and temperature.



FEATURES

- Handheld Display / Logger w/Computer Interface
- Battery Operated
- RS232 / RS485
- Detachable Cable (in lengths up to 100 m)
- Sampling by Depth or Time
- Stainless Steel Probe
- Waterproof
- Lightweight Portable



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DIGIBAR PRO™

GENERAL SPECIFICATIONS

PROBE

Sing-Around Frequency: 11 kHz
Communications: RS485, 19.2 kBaud
Temperature Range: 4° to 30° Typical
Sample Rate: 10 Hz
Depth Sensor Accuracy: > 1.0 ft (31.0 cm)
Dimensions: 14.7l x 2.0d inches (37.3l x 5.0d cm)
Weight: 4.0 lb (1.8kg)

TOPSIDE UNIT

Velocity Range: 4595 – 5250 ft/sec (1400 – 1600 m/sec)
Resolution: 0.1 ft/sec (0.1 m/sec)
Accuracy: ± 1.0 ft/sec (±0.3 m/sec)
Power Requirement: Three "C" cell Batteries
Communications: RS232, Selectable Baud Rate
Dimensions: 11.4l x 5.5w x 3.7d inches (29.0l x 14.0w x 9.4d cm)
Weight: 2.6 lb (1.2 kg)

CABLE

Material: Kevlar
Breaking Strength: 450 lbs (204 kg)