

ODOM  
**DIGIBAR PRO**<sup>TM</sup>  
FOR SEAFLOOR OR RIVERBED SURVEYS



**odom**  
HYDROGRAPHIC SYSTEMS

MODEL DB1200 –  
PROFILING SOUND  
VELOCIMETER



# ODOM DIGIBAR PRO™

FOR SEAFLOOR OR RIVERBED SURVEYS

The Digibar Pro™ is the most cost-efficient and accurate means of determining water column sound velocities. It quickly calibrates acoustic systems regardless of sea state or current, and is **faster** and **safer** than the traditional bar check

method. Digibar Pro™ uses “sing-around” technology, which automatically compensates for all factors influencing sound velocity, including salinity, depth and temperature.

*Buy Odom – invest in your peace of mind.*

## GENERAL SPECIFICATIONS

### PROBE

#### Sing-Around Frequency

- 11 kHz

#### Communications

- RS485, 19.2 kBaud

#### Temperature Range

- 39° F - 104° (4° C – 40° C) Typical

#### Sample Rate

- 10 Hz

#### Depth Sensor Accuracy

- 1.0 ft (31.0 cm)

#### Dimensions

- 14.7 l x 2.0 d in (37.3 l x 5.0 d cm)

#### Topside Unit

##### Velocity range

- 4595 – 5250 ft/sec (1400 – 1600 m/sec)

##### Resolution

- 0.1 ft/sec (0.1 m/sec)

##### Accuracy

- +/- 1 ft/sec (+/- 0.3 m/sec)

##### Power Requirement

- Three “C” cell batteries

##### Communications

- RS232, selectable baud rate

##### Dimensions

- 11.4 l x 5.5 w x 3.7 d inches  
(29.0 l x 14.0 w x 9.4 d cm)

##### Weight

- 2.6 lbs (1.2 kg)

### CABLE

- 4-conductor, Polyethylene-jacketed with Kevlar strength member

#### Breaking Strength

- 400 lbs (182 kg)

## FEATURES

- Velocity profiles downloaded to a computer
- Handheld display/logger with computer interface
- Battery operated
- RS232/RS485
- Detachable cable (in lengths up to 100 meters)
- Sampling by depth or time
- Stainless steel probe
- Waterproof
- Lightweight
- Portable
- Optional transit cases



**odom**  
HYDROGRAPHIC SYSTEMS

1450 Seaboard Avenue  
Baton Rouge, Louisiana 70810-6261 USA  
E-mail: [email@odomhydrographic.com](mailto:email@odomhydrographic.com)  
[www.odomhydrographic.com](http://www.odomhydrographic.com)