

SOSI

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HANS

» Hydroacoustic Navigation System

Sound Ocean Systems, Inc., is the exclusive reseller of EDBOE (Experimental Design Bureau of Oceanological Engineering of the Russian Academy of Sciences) in the United States. EDBOE possesses extensive experience in the development, manufacture and supply of subsea research instrumentation. These sensors and systems are used around the world in hydrology, hydroacoustic, geophysics, geomorphology, geology, ecology and for the monitoring of coastal zones.

The EDBOE's Hydroacoustic Navigation System (HANS) was developed to locate the position of surface vessels, towed and autonomous vehicles with respect to several bottom transponders at along base mode.

The HANS system is comprised of 8 bottom transponders, 2 retransmitting transponders operating in the "interrogation-reply" and "retransmitter-interrogation" modes and installed onboard the underwater vehicle, 1 shipboard non-directional transceiving towed hydroacoustic antenna, 1 shipboard electronic unit for transceiving signals via hydroacoustic channels and for information exchange with specialized computers, specialized computer on the basis of a front-end computer for navigation data processing and displaying as well as for information exchange between the hydroacoustic navigation system and shipboard computer system, 1 shipboard shaft. hydroacoustic antenna and varying service equipment for adjustments and maintenance.

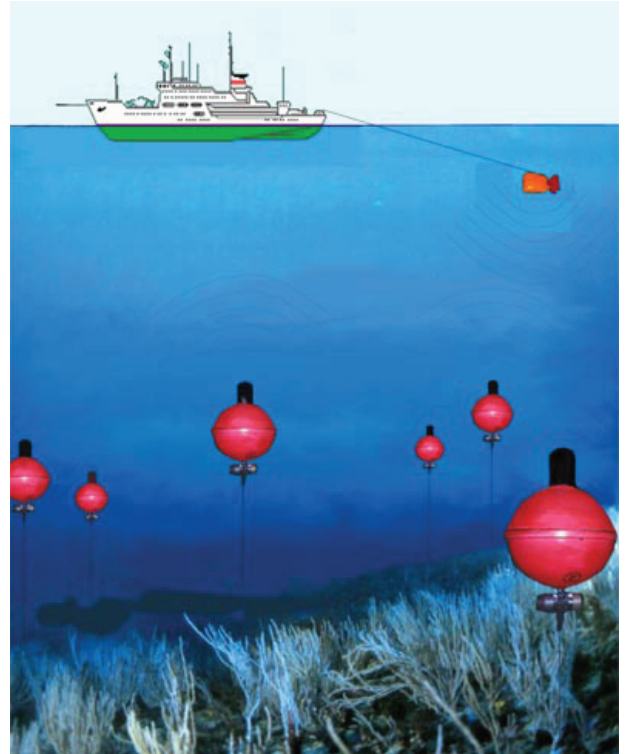
SOSI would welcome an opportunity to become an equipment supplier for your company. SOSI resells the full EDBOE equipment line. Systems are available in a variety of configurations and are custom ordered to meet your requirements. For additional information on EDBOE, you may visit their website at www.edboe.ru. 

Specifications

Operating depth	6000 meters
Slant operational range of hydroacoustic communication with a transponder, not less than	10 km in long base mode
Transponder supply unit operating life (R20 cells, 18 pieces)	12 months
Fluctuation positioning error in long base mode	10 meters
Interrogation frequency	5 kHz
Replies frequency	5.5; 6.5 kHz in the band
Front-end Computer type	IBM PC

• Controlled transponders lifting to the surface is provided.

* The transponders interrogation and replies frequencies as well as the reply signal type may be changed for custom orders.



Standard Features

- Unlimited Area Of Operation
- Reliable Electronics
- User Friendly Software
- Ideal For Use In Depths To 6000 Meters
- Low Cost
- Wide Range Of Transponder Modifications Are Available
- Corrosion Proof - Long Life
- Ideal For Use In Depth To 6000 Meters
- Wide Range Of Dimensions
- Compact, Light Weight - Easy One Man Deployment
- Compatible With Many Hydroacoustic Systems
- Low Cost Maintainability
- Easy To Service Construction For On-Deck Maintenance
- User-Replaceable "C" Size Alkaline Cell Batteries

*Specifications subject to change

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