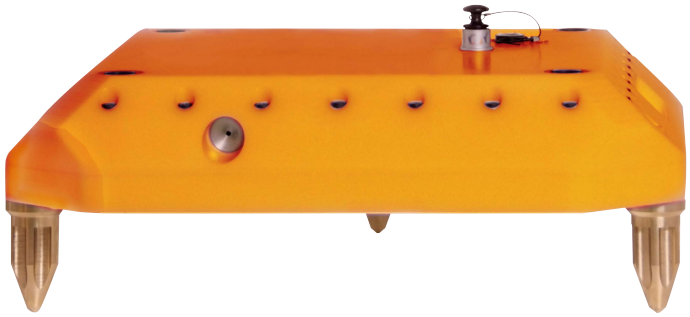
SOURCE-SEA

Multi-influence measurement system

Currently marine environment regulation is demanding for decreasing the acoustic and electromagnetic energy radiated by ships and off-shore facilities such as wind farms and oil platforms.

Mainly, those radiated influences are magnetic, acoustic, electric, temperature and pressure, which must be measured and analysed in order to ensure the compliant with the regulation.

Portability.
A decisive advantage of SOURCE-SEA, is its portability thanks to the low weight, low power consumption and high performance. Those characteristics let you to obtain all radiated signals of the ship or platform in any place at sea.



SOURCE-SEA is a measurement system able to get all the radiated influences to the sea.

«Are you compliant with new marine environmental regulation and norms?

SOURCE-SEA can help you.»

SOURCE-SEA is used at sea for:

- Compliance with the descriptor 11 from the European Marine Strategy Frame Directive.
- Multi-influence noise monitoring in the sea environment and its evolution in time.
- Multi-influence monitoring at wind farms.
- Marine environmental impact assessment.
- Acoustic noise monitoring for seismic exploration campaigns and off-shore construction on seabed.
- Monitoring of sea mammals' presence in specific areas.
- Measurement and control of ship noise at sea to assess the compliance with normative.

SOURCE-SEA **works in two ways**:

- It can be installed at sea for long-term measurement programs. Low maintenance requirements.

- It is easily deployable by two people from a rigid-hulled inflatable boat (RHIB) for using at any place and time where the measurement needs to be done.

Main Features

- Acoustic, magnetic, electric, temperature and pressure measurements of influences ships and offshore facilities.
- Measurement and analysis according to Descriptor 11 from the European Marine Strategy Frame Directive (MSFD).
- Real time monitoring, display and recording of the measured influences.
- Database. Storing and management of signals.
- Transfer of measured data to the Control & Analysis Centre by several cable or media exchange.
- Designed using COTS equipment to guarantee maximum reliability at minimum cost.
- Portable and modular design. Scalable system.
- Self test and calibration of units.

Sea Water Magneto-Electric Generator is available for magnetic-electric calibration of range systems. It generates a magnetic and electric signature with known levels. It is also a useful tool for maintenance.

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