

SDH



Smart Digital Hydrophone

SDH is a smart hydrophone for underwater acoustic recordings and analysis. It is appropriate for several scientific and technological purposes, including studies related to the checking of compliance with environmental regulations.

High-performance device.

SDH comprises a powerful hydrophone and a software for acoustic analysis. The hydrophone operates over a wide frequency range and has an excellent S/N ratio.

Useful and compatible software.

The tool for analysis and control can be run in any PC and includes special functionalities for measurement of descriptor 11.

Also, the software allows the user to control the hydrophone in real time, as well as to program the recording and analysis.



Easy to transport and deploy.

SDH is a compact and lightweight hydrophone, very robust and easy to use. It is suitable both for temporary use and for long-term measurement campaigns.

SDH

Specialists in Underwater Acoustics and Electronics
electronica-submarina.com



Hydrophone performances

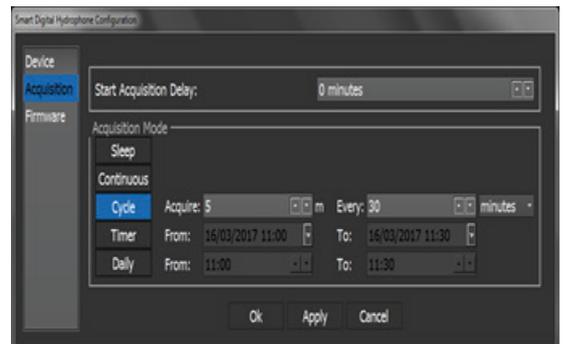
- Size: 177 mm x 48 mm.
- Weight (air): 390 g
- Operational bandwidth: 0.1 Hz – 150 kHz
- Dynamic range: 144 dB
- Sensitivity: -199.2 dB re 1V/ Pa
- Horizontal directivity: omni ± 2 dB @120 kHz
- Vertical directivity: $290^\circ \pm 2$ dB @120 kHz
- S/N ratio: 42.8 dB Pa/ $\sqrt{\text{Hz}}$
- Operation depth: 100 m.

Software performances

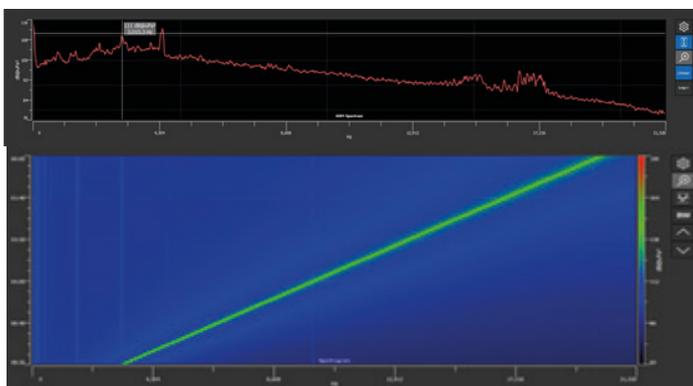
- Selectable bandwidth (min. 2,5 kHz).
- ON/OFF control.
- Standby mode.
- Acquisition time configuration.
- Time and frequency analysis.
- ALI and spectrogram.
- Environmental noise analysis (ANM).
- Descriptor 11: OTO, SeL, LeqT y Lz-p.
- Audio.
- Recording, playing and signal files management tools.
- Compatible with Windows 7 or higher.



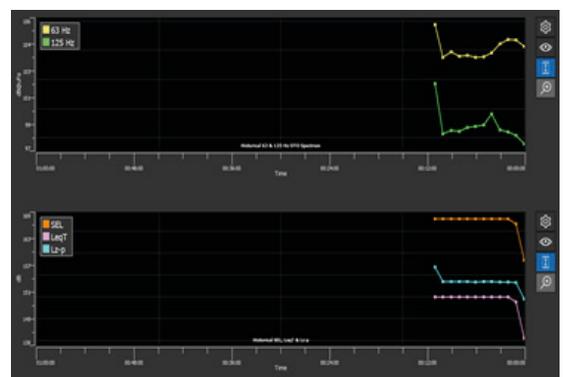
Compact and lightweight



Recording configuration



ALI and Waterfall



Signal history