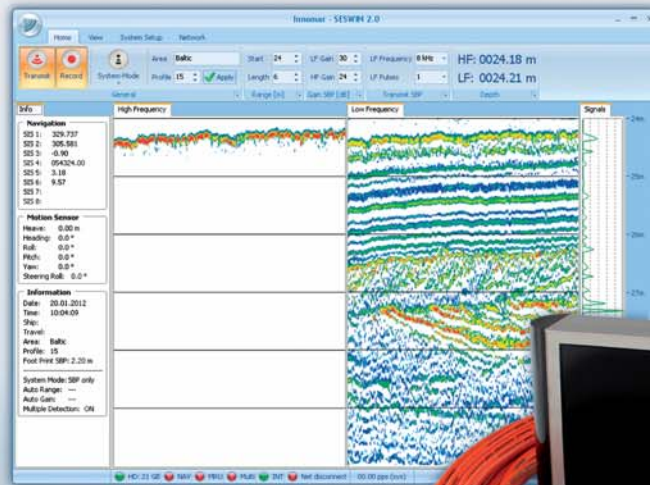




Top-side unit



Screenshot of the operating software (left side 100 kHz, right side 6 kHz)

Transducer



► Performance

- water depth range: 0.5 – 400 m
- penetration: up to 40m, depending on sediments
- layer resolution: up to 5 cm
- motion compensation: heave
- beam width @ 3dB: $\pm 2^\circ$ / footprint < 7% of water depth for all frequencies

► Transmitter

- primary frequencies: approx. 100 kHz (band 85 – 115 kHz)
- secondary low frequencies: 4, 5, 6, 8, 10, 12, 15 kHz (band 2 – 22 kHz)
- primary source level: > 238 dB/ μ Pa re 1 m
- pulse width: 0.07–1 ms
- pulse rate: up to 50/s
- multi-ping mode available
- pulse type: CW, Ricker

► Acquisition

- primary frequency (echo sounder, bottom track)
- secondary low frequency (sub-bottom data)
- sample rate 70 kHz @ 16 bit

► System Components

- transceiver unit 1/2 19 inch / 4 U (WHD: 0.30 m x 0.20 m x 0.40 m; 15 kg)
- transducer incl. 20 m cable (WHD: 0.34 m x 0.08 m x 0.26 m; 22 kg)
- system control: external PC/Notebook via Ethernet

INNOMAR compact Parametric Sub-bottom Profiler

► Software

- SESWIN data acquisition software
- SES Convert SEG-Y/XTF data export
- SES NetView remote display
- ISE post-processing software (option)

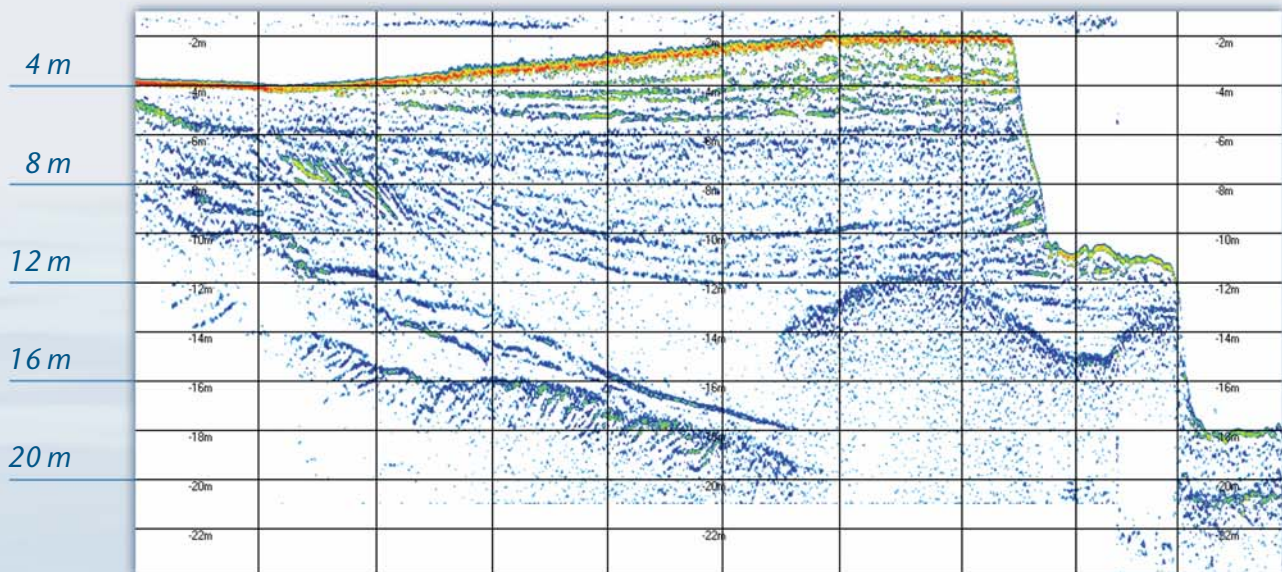
► Power Supply Requirements

- 100–240 V AC / 50–60 Hz or 12 V DC or 24 V DC (option)
- power consumption < 150 W

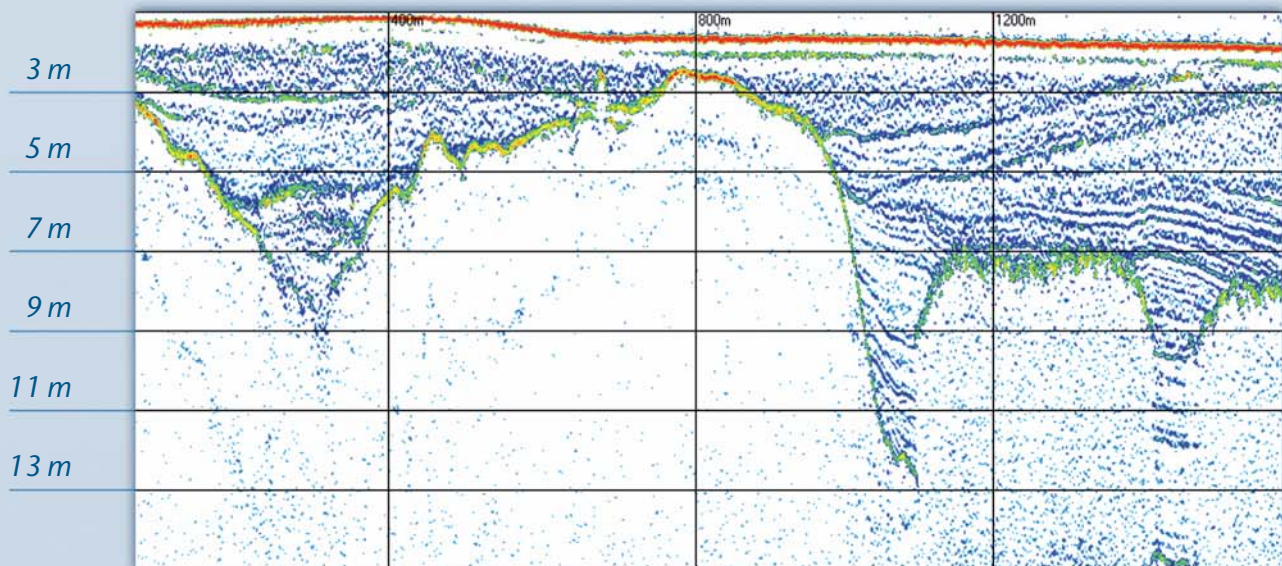


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Survey examples of SES-2000 compact



Gulf of Trieste echo plot example – Frequency 8 kHz, pulse length 375 μ s, profile length 1000 m



Gambia River echo plot example – Frequency 10 kHz, pulse length 200 μ s, profile length 1600 m

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