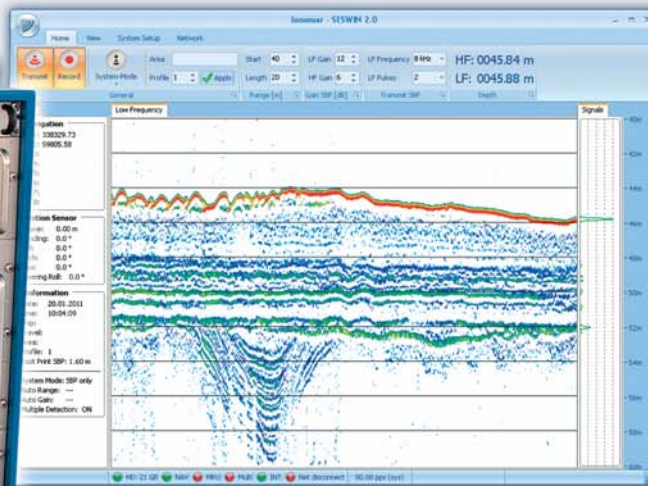
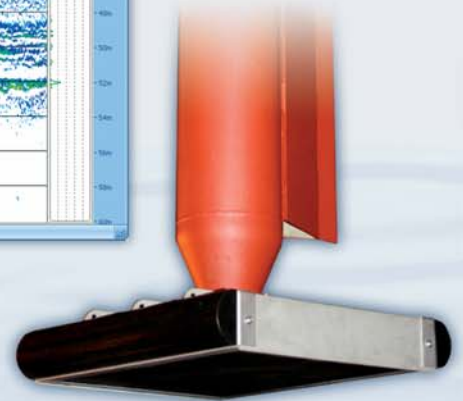


Top-side unit



Screenshot of the operating software

Transducer



► **Performance**

- water depth range: 2 – 2,000 m
- penetration: up to 70 m, depending on sediments
- layer resolution: up to 5 cm
- motion compensation: heave, roll, pitch (option)
- beam width @ 3 dB: $\pm 1^\circ$ / footprint $< 3.5\%$ 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: > 247 dB/ μ Pa re 1 m
- pulse width: 0.07 – 2 ms
- pulse rate: up to 40/s
- multi-ping mode
- pulse type: CW, Ricker, LFM (chirp)

► **Acquisition**

- primary frequency (echo sounder, bottom track)
- secondary low frequency (sub-bottom data, multi-frequency mode)
- sample rate 96 kHz @ 24 bit

► **System Components**

- transceiver unit 19 inch / 16 U (WHD: 0.52 m x 0.74 m x 0.50 m; 90 kg)
- transducer incl. cable (WHD: 0.60 m x 0.15 m x 0.50 m; 90 kg)
- system control: internal PC
- KVM remote control

SES-2000 medium-100 Parametric Sub-bottom Profiler

► **Software**

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

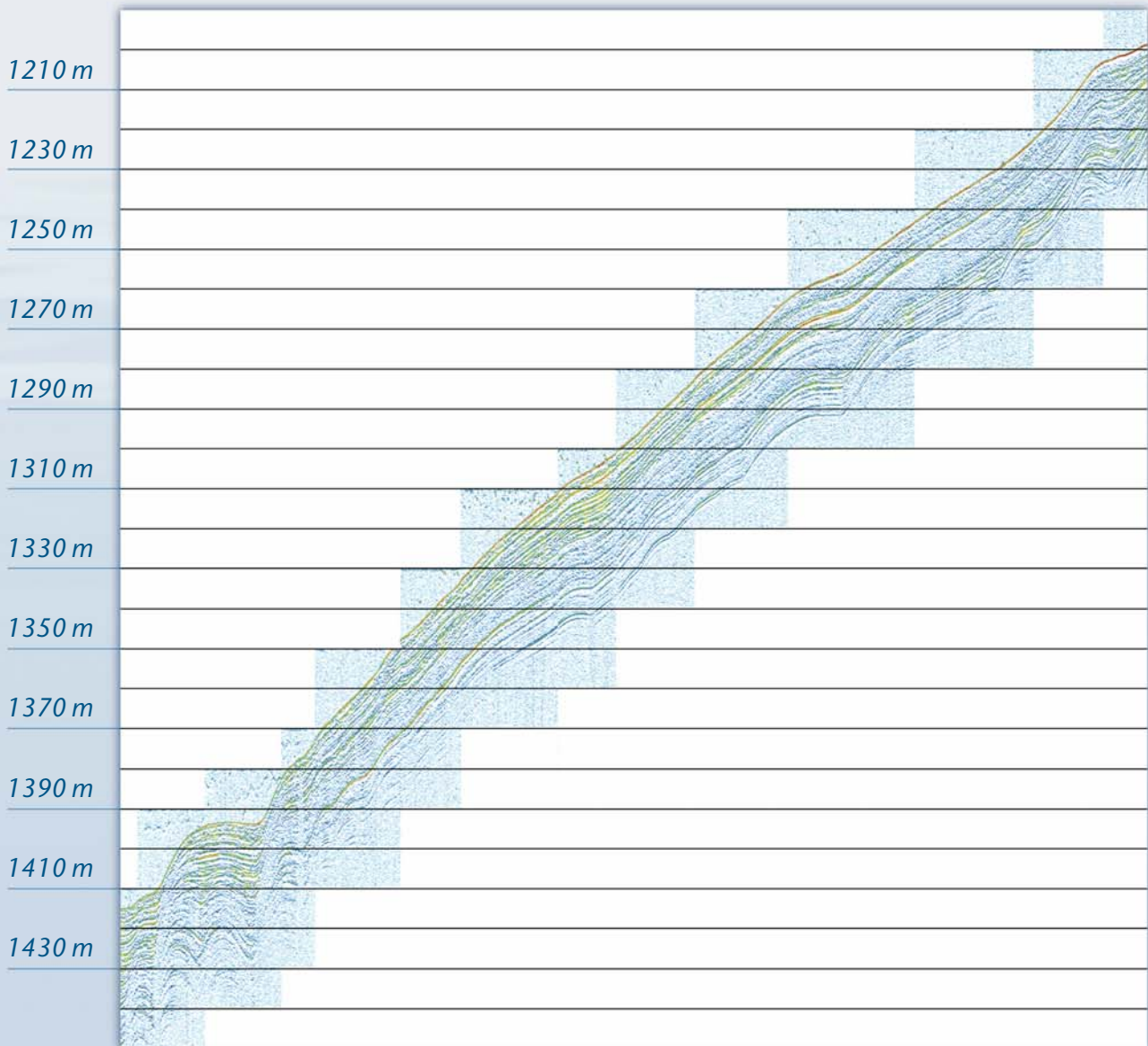
► **Power Supply Requirements**

- 100 – 240V AC / 50 – 60 Hz
- power consumption: < 700 W



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Survey example of SES-2000 medium-100



Pacific (Chile) echo plot example – Frequency 8 kHz, pulse length 800 μ s, profile length 10800 m

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