Datalogger „6D6“

Clever design.
Since nearly 20 years working in marine seismics - we know what we are talking about.

Based on our long experiences the digitizer and recorder „6D6“ is designed completely modular:
Four channels are not enough? – Insert another AD-board.
You need a CSAC clock? – Change the clock board.

But even in the standard version „6D6“ sets the benchmark: it records 32 bits on four channels
with a Signal-Noise-Ratio of better than 142 dB and a power consumption of 125mW only – this
is unique.

![Image](image.png)

Size: 80 x 80 x 80mm – 290g

Our goal was to combine excellence performance, flexibility, easy operation and power saving –
now we are proud to present the result:

**Performance:**
- 142 dB Signal-Noise-Ratio
- 32 bit @ 250 sps
- 3 seismometer and 1 hydrophone channel
- 50 – 4000Hz samplerate
- Up to 2TB memory

**Flexibility:**
- AD-modules interchangeable (geophone, DPG, EM,…)
- CSAC clock possible (Timer module exchangeable)
- Additional channels through plug-on module
- Up to 20kHz samplerate through plug-on module
- 24 I/O-Ports for instrument control
- Up to 16 AD-C for housekeeping data (Batt, Temp, Hyd,…)
- Integrated GPS can be added
- AIS can be added
Datalogger „6D6“

Operation:
- Data storage StiK accessible from the outside of the pressure housing
- Independent battery keeps the clock module synchronous for several years
- Integrated webserver and WLAN
- Programming with all Browsers (platform independent)
- Hot-Plug of the data storage and continuous recording, hence utmost quick Turn-Around-Times
- Integrated GPS, hence new synchronisation already when recovering
- AIS-supported recovery
- Open-Source data conversion Software (SEED, m-SEED, CSAC, SEG-Y..)

Power supply:
- 125mW power consumption during recording
- 4µW in Sleeping-Mode
- 10 seconds Power-buffering when disconnecting the battery
- Clock buffered for several years
- Webserver is active only during programming, turns off completely