

# 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.



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



**K.U.M. Umwelt- und Meerestechnik Kiel GmbH**

Wischhofstr. 1-3, Geb. 15, 24148 Kiel – Germany  
Sitz der Gesellschaft / Registered Office: Kiel  
Amtsgericht Kiel / Local Court Kiel, HRB 4773  
Steuernummer / Tax No.: 20 291 07200

Geschäftsführer / General Manager: Thomas Kumbier – Uwe Arndt  
USt-IdNr. / VAT No.: DE 812362272  
Bankverbindung / Bank details: Förde Sparkasse  
IBAN: DE39 2105 0170 0012 0028 20 – BIC: NOLADE21KIE

## 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
- 4 $\mu$ W 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

