



GeoSounder is designed to be a simple rugged hydrographical survey solution with the basic functions of an echo sounder.

Depending on the connected sensors, GeoSounder will function as a dual frequency echo sounder or a Single frequency echo sounder.

Powered with a Hemisphere DGPS and our Viking Survey software it provides the perfect solution for a hydrographic survey.

The GeoSounder is made of a rugged Pelican case that provides a protective housing for all types of environments.

Specifications:

- Ruggedized Peli-Case IP65 housing
- IP65 External connectors
- Internal 9-36 VDC Power conversion
- Internal DC/DC UPS (optional)
- 20 x 26 x 120 cm (L x W x D)

Optional:

- External RTK GPS
- External (RTK) GPS Compass

Interfacing (All IP65):

- 3x RS232 Comports (RS485 optional)
- 1x Ethernet (IP65)

Sensor Options:

- 200 KHz 8 degrees transducer
- 200 KHz 2.75 degrees transducer
- 30 KHz Low Frequency transducer

External Data Interfaces

- GPS input: NMEA 0183
- Baud rate: 4800 – 115200

Output Data

- GPS output: NMEA 0183
- Sensor output: DBT