



# NEURONAV™

## VIBROSEIS NAVIGATION



## OVERVIEW

NeuroNav is a user-friendly system that assists with vibroseis vehicle navigation of. Source point locations are uploaded into the vibroseis navigation electronics from the central computer according to the project survey, to allocate of VPs to each vibrator and navigation to source points.

Advanced features (when integrated with Vib Pro HD) enables the navigation system to record GPS coordinates, sweep start times, post sweep (PSS) attributes such as force, phase, distortion, stiffness, viscosity, and vibrator source signatures (VSS) data.

## FEATURES

- Integrated vibroseis navigation system used to assist in the delivery of vibroseis operations
- User friendly touch screen interface that graphically displays real-time vibrator location
- Configuration is performed on the central computer and synchronized to the Vibrator units
- Remote configuration of Vib Pro HD decoders
- View current status of vibrators during source production, such as move up, sweep ready and sweep in progress
- Compare the sweep Centre of Gravity (CoG) position before sweep starts with the programmed VP, using a user-set tolerance
- View QC results after a sweep has completed
- Display active sweep information, such as sweep signature and potential time zero conflicts (when applicable)
- Enables stakeless operation



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### VIBRATOR DISPLAY

Dimensions: 24.3 cm (L) x 17 cm (W) x 1 cm (H)  
(9.6" x 6.7" x 0.4")

Display: 10.1" multi-touch  
1920 x 1200 pixel resolution

Operating Temperature: -20°C to 60°C

Storage Temperature: -40°C to 80°C

Weight: 674 g (1.48 lb)



### SOURCE VIBRATOR MODULE

Size: 45cm (L) x 37cm (W) x 12cm(H)  
(17.7" x 14.6" x 4.7")

Input Voltage: 9 to 18 VDC

Current Draw: 2.5A @ 12V (Average)

Operating Temperature: -30 to +50°C

Weight: 4.8 Kg (10.6 lb)



### CENTRAL COMPUTER EQUIPMENT

Memory: 16 GB

Internal Storage: 1.9 TB SSD

Connectivity: 1 GbE Ethernet, USB 3.0

Power and Voltage: 90W, 90 to 240 VAC

Size: 34.8 cm x 4.6 cm x 28.7 cm  
(13.7"W x 1.8"H x 11.3"D)

Operating Temperature: 0 °C to +45 °C

Storage Temperature: -10 °C to +60 °C

Weight: 3.0 kg (6.6 lbs)



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### GPS ANTENNA

Size: 45cm (L) x 37cm (W) x 12cm(H)  
(17.7" x 14.6" x 4.7")

Temperature: -55°C to +85°C

Weight: 12.4 oz (.775 lb)



### GPS ENCLOSURE

Memory: 16 GB

Size: 147 x 125 x 55 mm  
(5.78" x 4.92" x 2.1")

Operating Temperature: -40°C to +75°C

Storage Temperature: -40°C to +80°C

Input Voltage: +9 to 36 VDC

Power Consumption: 3.25 W

Weight: 500 g (1.1 lb)

