



NEURONAV™

VIBROSEIS NAVIGATION



OVERVIEW

NeuroNav is a user-friendly system that provides navigation of vibroseis vehicles. Source point locations are uploaded into the vibroseis navigation electronics from the central computer based on the project survey, to support allocation of VPs to each vibrator and navigation to source points.

Advanced features (with additional equipment) 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.

BASIC 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
- Support for single fleet navigation only
- Standalone navigation requiring no source controller or radio integration

ADVANCED FEATURES

NeuroNav advanced features are available with the addition of Vib Pro HD source controllers, intra-fleet wireless communication and radio communication from the vibroseis fleets to the central computer.

- 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
- QC sweep Centre of Gravity (CoG) position before sweep starts against the VP with 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)
- Stakeless operation

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VIBRATOR DISPLAY

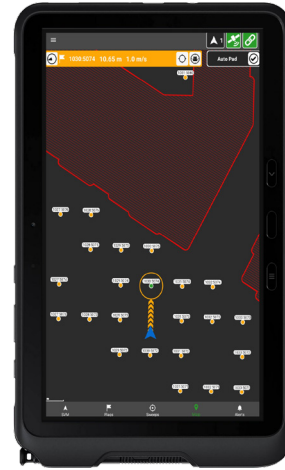
Dimensions: 24.3 cm (L) x 17 cm (W) x 1 cm (H)
(9.6" x 6.7" x 0.4")

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)

