



B-PINS X

Backpack Portable Inertial Navigation System

B-PINS X is a precise survey tool specifically designed to provide accurate navigation in GPS denied areas with 4 times the productivity of traditional survey methods.

B-PINS X employs proven inertial navigation technology to provide a portable and accurate survey solution under dense canopy or urban canyon situations.

B-PINS X has applications in:

Land Seismic Surveys
Forestry Mapping
Civil Engineering

Pipeline Right of Way Stakeouts
Wellsite Topographic Surveys



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Zupt delivers operationally aware inertial technologies to improve the productivity associated with high cost operations for oil and gas exploration and field development. These capabilities are offered and supported worldwide.

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The high-performance inertial sensors integrated into B-PINS X deliver proven positioning accuracy that is significantly better than the survey tolerances accepted by the international seismic acquisition community.

B-PINS X is our smallest and lightest land seismic survey tool made for increased productivity and portability in thick under brush and tight “no cutting” areas. Despite its small size, the system has been designed to withstand even the toughest jobs on the field with a durable shock resistant outer shell, and can be immersed in water up to 30% of its height.

Additional features have been added to further increase ease of use and accuracy for your surveys. A laser range finder has been integrated into the system to locate and identify the precise stake location, adding even more accuracy to your surveys. A custom wireless connection provides reliable data collection and cableless operations. With a direct sunlight readable display, the Nautiz X8 provides the latest in data collector technology. Built-in batteries and chargers provide over 12 hours of operations for further increased productivity.

SELF CONTAINED SYSTEM INCLUDES:

- High-performance inertial sensors
- Data fusion software
- Hand held data collector - Nautiz X8
- Built-in power supply - Li Ion batteries and charger
- Laser range finder
- Rugged backpack

CAPABILITIES:

- Lightweight portable solution
- Real-time positioning under all conditions
- Static RTK GPS/INS integration option
- Real-time quality control
- Higher production than optical surveys
- Reduced vegetation clearing
- Ergonomically designed
- Minimal environmental impact
- Improved operational safety
- Post-processing - maximum accuracy
- Wireless comms to Nautiz X8 from backpack

SPECIFICATIONS:

- Over 16 hours operations on a single charge
- Continuous operations with hot swap battery
- Complete System weight ~14 kg (30 lbs)
- Job file configuration through GPSeismic®*
- Operating Temperature -3°C to 55°C
- Storage Temperature -20°C to 90°C

*Job file preplot data configured for use in GPSeismic; post processed survey data configured for GPSeismic

Increase productivity in GPS denied areas

B-PINS X marks the spot.

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The information given herein is believed to be reliable. Zupt, LLC makes no warranties as to its accuracy and completeness. These specifications are subject to change without notice.