



Solutions - Service - Support

B-PINS L™
Lightweight Portable Inertial Navigation System



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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B-PINS X™

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 the same proven inertial navigation technology as our existing B-PINS system to provide a portable and accurate survey solution under dense canopy or urban canyon situations.

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.

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. The wireless Juno T41 provides the latest in data collector technology. Built-in batteries and chargers provide over 12 hours of operations for further increased productivity.

B-PINS X is a self contained system including:

- High-performance inertial sensors
- Data fusion software
- Hand held data collector - Juno T41
- Power supply - Li Ion batteries and charger
- Laser range finder
- Rugged backpack

Please contact us for a discussion of positioning accuracies in various scenarios and sample data sets from field operations.

Capabilities:

- Lightweight portable solution
- Real-time Positioning under all conditions
- Real-time quality control availability
- Higher production than optical surveys
- Reduced vegetation clearing
- Ergonomically designed
- Minimal environmental impact
- Improved operational safety
- Post-processing - maximum accuracy
- Wireless comms to Juno from backpack

Specification:

- >12 hours operations on single battery set
- 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



www.zupt.com

Zupt, LLC
10963 Cutten Rd, A102
Houston, TX 77066
Tel: +1 (832) 295 7280
Email: sales@zupt.com

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