



B-PINS

B-PINS X delivers survey-grade accuracy where GPS cannot

The B-PINS X is Zupt's next generation land inertial survey system, designed for environments where GPS signals are weak, inconsistent, or completely unavailable. It delivers survey-grade accuracy through advanced inertial navigation methods, enabling reliable positioning in areas such as forests, urban canyons, or regions with heavy overhead cover. Building on the proven capabilities of earlier B-PINS systems, the B-PINS X gives surveyors a dependable solution when GNSS cannot perform.

Key upgrades include a smaller, lighter design, extended battery life with hot-swappable batteries, and integration with a handheld controller and laser range finder for efficient data collection. The system is engineered to withstand a wide range of field conditions, maintaining performance across challenging terrains and weather extremes.

These enhancements make B-PINS X a powerful tool for maximizing productivity and ensuring accurate survey results in demanding environments. Its portability reduces operational costs, while its precision opens opportunities to work in places once impractical for traditional survey methods.

Delivering reliable, survey-grade accuracy

in the most challenging environments.



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Zupt is a global leader in offshore survey solutions. We develop all core technologies in-house to deliver accurate subsea positioning, modeling, and monitoring for oil and gas, renewables, and marine construction projects worldwide.

Key Features:

- Reduced weight & size relative to prior models.
- Long battery life: 16 hours of operation, single charge.
- Continuous operations with hot-swap battery (i.e. ability to swap batteries without shutting down).
- Wireless handheld data collector.
- Integrated laser range finder.
- Job-file configuration through GPSeismic® for pre-plot and/or post-process.
- Rugged design: durable outer shell, shock resistant, water immersion up to 30% of pack height.



Applications:

- Land seismic surveys
- Pipeline right-of-way stakeouts
- Wellsite topographic surveys
- Civil engineering, forestry mapping, etc.



Technical/Specs:

Parameter	Value
Weight (full system):	~14 kg (≈ 30 lbs)
Operating time (single charge)	Over 16 hours
Operating temperature	-3 °C to 55 °C
Storage temperature	-20 °C to 90 °C
Battery features	Hot-swap battery supported
Display / hand-held collector	Sunlight-readable display

Advantages/Benefits:

- Increased productivity in GPS-denied areas (i.e. less downtime, better performance where GPS signals are blocked).
- Reduced need for vegetation clearing (line-of-sight optical methods are less needed)
- Improved safety and ergonomic design (lighter pack, better battery, wireless)
- Real-time quality control; both in the field and post-processed accuracy.

