



**Your only friend
when GPS / GNSS is gone**



K-INS Personnel INS / Tracking System

Karakamlar Aerospace and Defense Industries, Inc.

Features

- Personnel positioning without GPS / GNSS
- Ability to work with GPS / GNSS
- Can be used either wireless (BLE 5.0) or wired (USB Micro-B)
- Not affected by magnetic interferences
- Advanced motion analysis algorithms
- Torso mounted, easy assembly

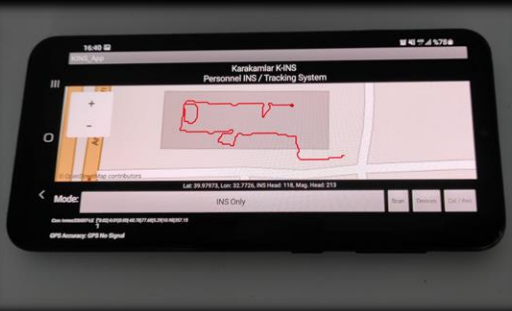


INS Hardware

- Includes electronic card with MEMS-based accelerometer and gyroscope sensors
- Lightweight and miniature design
- Standard USB Connector, switch and LEDs
- Durable casing with aluminum frame

Mounting

- Safe solution, no need for foot mounting
- Can be placed anywhere on torso or waist
- Wireless or wired, for your convenience



Mobile Application

- User Friendly Interface
- Various settings and calibration
- Options for data fusion with phone's sensors (GNSS, Magnetometer, etc.)
- Real-time visualization on map

Accuracy and Specs.

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|--|---|
| Physical Properties of INS Hardware | Weight: < 25 gr, Dimensions: 41.0 x 27.2 x 13.2 mm |
| Electrical Properties of INS Hardware | Battery (Li-Po) Life: 2 hours, Power Consumption: < 160 mW |
| Measured & Transmitted Parameters | Accelerations in 3 Axes, Location in 2 Axes, Angles in 3 Axes |
| Accuracy and Deviation Characteristics | < ±5% (±5 meters per 100 meters) position accuracy when calibrated |