

PinPoint Mapping Antenna

The PinPoint is the latest portable multi-functional GNSS receiver, from GeoMeasure which supports, network and DGPS measurements. It is extremely light-weight, packaging high-end mapping precision in a compact hardened plastic structure. Compatible with MicroSurvey's FieldGenius, ESRI and Uinta, this is a fully functional GIS antenna perfect for advanced measurements.



FEATURES

Integrated Hardware and Software

Based on fully autonomous hardware, and the RTOS intelligent system platform, this device provides users with reliable and precise positioning.

Advanced Positioning System

The PinPoint is equipped with a compact and omnidirectional helical antenna, that supports signals from all major constellations and signals. With 1408 channels, it can simultaneously track BDS, GPS, GLONASS, GALILEO, QZSS and SBAS signals. With full constellation positioning and the ability to receive RTK corrections, you can scale the accuracy to meet your needs.

Multipurpose

The Pinpoint supports 4G networks and Bluetooth connectivity for communication and control. It can be integrated into cloud servers, NTRIP networks all of which allow for remote monitoring, configuration, and alerts.

Compact & Portable

The Pinpoint weighs in at only 141 g, making it perfect for all-day use. This is an antenna you can carry all day long. With the built-in 1,800 mAh lithium-ion battery, the device has over 9 hours of battery life.

IP67 Protection

With the solid magnesium alloy shell, and IP67 environmental rating the PinPoint can be taken on any job site without any doubts.

PinPoint Antenna

Professional Grade Mapping

Signal Tracking

Receiver Type: Multi-Frequency GPS, GLONASS, BeiDou, Galileo, QZSS and SBAS

Signals Received: GPS - L1CA/L2C/L2P/L5
GLONASS - G1/G2
BeiDou - B1i/B2i/B3i/B1C/B2A
GALILEO - E1/E5A/E5B
QZSS - L1/L2/L5
SBAS - L1

Data Update Rate: 5 Hz

Performance Specifications

Signal Reacquisition: ≤ 1 s

Cold Start: ≤ 30 s

Hot Start: ≤ 15 s

RTK Initialization Time: <10 s

Initialization Reliability: ≥ 99 %

Accuracy

Single Baseline RTK: 8 mm + 1 ppm Horizontal
15 mm + 1 ppm Vertical

Standalone: 30 cm Horizontal
60 cm Vertical

Electrical Specification

Voltage: 5V

Charging Time: <5 h

Working Time: ≥ 9v Hours

Communication

Bluetooth: BR+EDR

Network: LTE FDD + LTE TDD

Environmental

Working Temperature: - 20 °C to + 60 °C

Storage Temperature: - 40 °C to + 85 °C

Humidity: 100 % Non-Condensing

Ingress Rating: IP67

Physical

Housing Material: Magnesium Aluminum Alloy

Dimension: 53.8 mm x 37 mm x 117.5 mm

Weight: 143 g