



HYFIX
SPATIAL INTELLIGENCE

GEOMEASURE

RTK GNSS Rover for the GEODNET Network

The GEO-MEASURE is a fully integrated handheld GNSS RTK receiver engineered to deliver centimeter-level accuracy in a single, compact unit. Supporting all major satellite constellations on all frequencies, it provides rapid, reliable RTK-based positioning even in challenging environments.

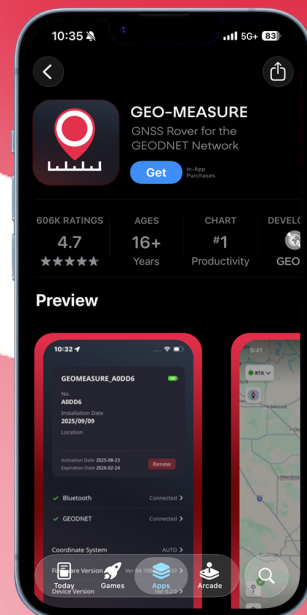
The device features a unique all-in-one helix antenna that integrates GNSS, Wi-Fi, and Bluetooth for seamless connectivity and stable data transmission, eliminating the need for external cables or antennas. With a complimentary 1-year subscription to the GEODNET RTK correction network, the GEO-MEASURE is a true out-of-the-box solution for industrial professionals and consumers requiring precise positioning.

Features:

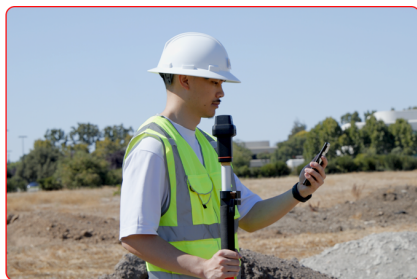
- Lightweight and portable
- Built-in complimentary 1-year GEODNET subscription
- Centimeter-level positioning accuracy
- GNSS, Wi-Fi and Bluetooth all-in-one Helix antenna
- Full 24 hours of active usage per charge
- Rechargeable battery
- Fast USB-C charge
- GEO-MEASURE app available for iOS



**GLOBAL
RTK SUBSCRIPTION
INCLUDED !**



Applications



Surveying



Construction



GIS / Mapping

 <https://hyfix.ai>



Email: info@hyfix.ai

Specifications

GNSS

Constellations	GPS, GLONASS, Galileo, Beidou
Signal Tracking	GPS L1C/A, L2P(Y), L2C, L5
	Beidou B1I, B2I, B3I, B1C, B2a
	GLONASS G1, G2
	Galileo E1, E5a, E5b
	QZSS L1C/A, L2C, L5
	IRNSS L5
Channels	Up to 1040
Cold Start	< 29 s
Warm Start	< 28 s
Hot Start	< 2 s
Convergence Time	< 5 s
Initialization Reliability	> 99.9%
RTK	H: 8 mm + 1 ppm RMS
	V: 15 mm + 1 ppm RMS
Standalone	H: 1.5 m RMS
	V: 2.5 m RMS
RTCM	v3.x (MSM included)
Output	NMEA-0183 (10 Hz)

Electrical

Battery	7.2 V @ 6800 mAh
	Built-in Lithium-ion Battery
Voltage	USB-C (PD)
Battery Life	24 hrs (active time per charge)
Charging Time	4 hrs (typ), 8 hrs (max)

System

Operating System	Embedded RTOS
Internal Memory	2M PSRAM
Bluetooth	Version 4.2 (BR/EDR & BLE)
Wi-Fi	802.11b/g/n, up to 150 Mbps
USB Type-C	Charging, Data Transfer

Physical & Environmental

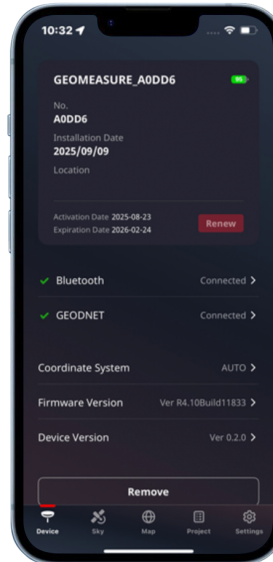
Dimension	71 mm x 71 mm x 140 mm
Weight	430 g
Operating Temperature	-30°C to +65°C
Storage Temperature	-40°C to +80°C
Ingress Rating	IP67
Shock Resistance	On Survey Pole, 2 m Drop Free Fall, 1.2 m Drop
Humidity	Up to 100%
Certification	CE, FCC

GEO-MEASURE App Overview:

Download for iOS

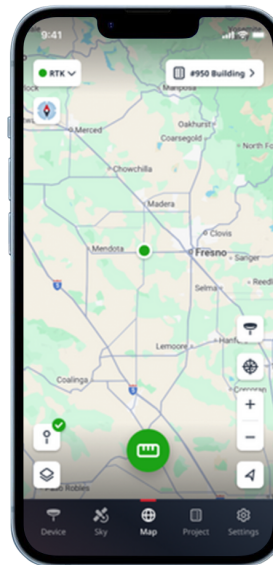


- Download the GEO-MEASURE app (iOS App Store)
- Power on the GEO-MEASURE device
- Launch the app and get AUTO-RTK



To pair device:

- Go to Device -> Add a Device to begin an automatic search for GEO-MEASURE devices
- Select your GEO-MEASURE from the list to pair it
- The GEODNET RTK network will then connect automatically



To perform precise measurement:

- Obtain RTK status
- Tap the ruler button on the MAP screen to begin

