

POGO[®] mapper

GNSS Receiver and GIS Mapper



***Integrates with TurfPro Mobile App**
Easily clips on your belt to Map just about anything including:



***Fully mobile using the
TurfPro Mobile App**

- Course Setup
- Custom Pin Sheets
- Irrigation infrastructure
- Sprinklers
- Valves
- Wire
- Repairs
- Drainage system
- Ball speed and other specs
- Clipping Yield
- Wildlife Records
- Tree Inventory
- Incidents
- IPM Zones
- Photos
- Tasks
- And more!

**Requires active TurfPro Cloud subscription*

www.pogoturfpro.com



GNSS

Sensor Type.....L1 C/A
 Systems / Constellations¹.....GPS, Glonass, Galileo, Beidou, QZSS
 Channels.....72, Parallel Tracking
 SBAS.....3 Channel, Parallel Tracking
 WAAS, EGNOS, MSAS, GAGAN
 Data I/O receiver protocol.....NEMA-183, V4.00, ASCII
 Update rate.....1Hz (Up to 18Hz)
 Time to first fix (TIFF).....45 seconds
 Reacquisition time.....1 second
 Correction I/O protocol.....RTCM
 SBAS accuracy².....100 cm
 Maximum speed.....1800 kph / 1118 mph
 Maximum altitude.....15240 m / 50,000 ft

Interfaces

Bluetooth.....Class 2, V5.0
 Raw measurements.....Binary, u-blox proprietary
 LED.....Power, battery status, Bluetooth, GNSS via app

Battery and Power

Battery type.....Lithium-ion
 Battery capacity.....3.7 V / 3500 mA
 Continuous work hours.....24 hours
 Charge time.....4 hours
 Charge port.....USB C / 1 amp

Electronics

RTC Crystal.....Built-in 32 khz oscillator
 Oscillator.....TCXO
 Noise filter.....On-chip LNA
 Anti-jamming.....Active CW detection and removal
 Spoofing detection.....Active and passive
 Signal integrity.....Signature feature with SHA 256

Mechanical and Physical

Enclosure material.....Delrin
 Enclosure rating.....IP63
 Enclosure dimensions.....12.4 x 6.8 x 3.1 cm / (4.8 x 2.7 x 1.2 in)
 Weight.....250g (0.55 lbs)
 Operating temperature.....-20 C to +60 C (-4 F to 140 F)
 Humidity, non-condensing.....95%

Antenna

RF connector.....internal/integrated
 Frequency (GPS/Galileo).....1575.42 MHz +/- 1.023 MHz
 Frequency (GLONASS).....1602 MHz +/- 1.5 MHz
 VSWR.....1.8 Max
 Input impedance.....50 Ohm

SUPPORTED PLATFORMS (10 or above), Android (8.0 or above)
 COMPLIANCE FCC Part 15, CE, RoHS, Lead Free
 SOFTWARE COMPATIBILITY TurfPro Mobile app (www.turfpro.com)