



Compatible with
CloudAhoy™, the
leading flight
analysis and pilot
debriefing tool

NemoScout®

ADVANCED ACTIVE COLLISION AVOIDANCE

The Smarter Way to Fly



FIXED WING



HELICOPTER
/GYRO



PARACHUTE



GLIDER



GROUND
VEHICLE



*“Caution, traffic 11 o’clock, 400 feet
above, three decimal five miles,
descending, north-west bound,
charlie-foxtrot-november”**

***Typical verbal alert heard over headset**

**NemoScout is a simple-to-use
long-range portable transponder
providing continuous collision
avoidance monitoring of conflicting
aircraft and most man-made obstacles.**

NemoScout integrates a flight data recorder with altimeter and precision attitude heading reference system (AHRS) built-in and when optionally used with our ground station provides long-range real-time fleet tracking capabilities and automated flight log download without data service fees.



www.nemoscout.com

NemoScout®

ADVANCED ACTIVE COLLISION AVOIDANCE

- Integrated transponder with visual and verbal collision alert for conflicting aircraft*
- Visual and verbal collision alert for most man-made obstacles in excess of 200ft tall
- Flight data recorder with built-in GPS, altimeter and AHRS
- Improve situational awareness in the circuit and en-route with the click of a button
- Online real-time tracking and notification when within range of a base-station
- Visibility of ADS-B and select Mode-C traffic when within 16nm of a base-station
- Determine the closest four aerodromes based on your current position and track. Provides magnetic course, distance and duration to destination.
- While on the ground, determine aerodrome† elevation, required altimeter setting and current density altitude.
- During an in-flight emergency, activate the emergency mode to automatically cause other aircraft* operating within range to track, store and periodically announce your position in real-time.
- Connect your smartphone‡ and view a traffic map of aircraft* surrounding your position in real-time

* Aircraft must be equipped with NemoScout®
 † Private non-registered aerodromes excluded
 ‡ Smartphone not included



What's included?



Transponder



Suction Cup



Charging Cable



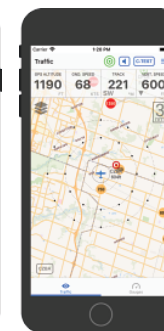
Audio Y-cable



Adhesive Mount



8GB MicroSD Card



Technical Specifications

GPS

Channels: 72
 Track accuracy: 0.3 degrees
 Horizontal position accuracy: < 2.5m (1m typical)
 Vertical position accuracy: <7m
 Navigation update rate: 10 Hz
 Augmentation System Support: GAGAN, WAAS, EGNOS and MSAS
 Time to first fix: 36 seconds
 Receiver sensitivity: -167 dBm (tracking) and -148 dBm (cold start)

AHRS

Heading accuracy: < 4 degrees
 Pitch/Roll accuracy: < 2 degrees
 Barometer pressure altitude accuracy: < 10cm
 Update rate: 10 Hz

Battery

Chemistry: LiPo
 Certification: UN38.3
 Capacity: 480mAh / 1.8Wh
 Runtime: ~4 hours
 Charging time: ~70 minutes
 Charging current: 400mA

Storage

Type: microSD
 Supplied/Maximum capacity: 8GB/32GB
 File system format: FAT16/FAT32
 Track log format: Garmin® G1000 compatible
 Track log update interval: 1 Hz
 Flight hours per 8GB card: ~16000 hours

Bluetooth

Type: Bluetooth Low Energy
 Certification: IC & FCC

Physical

Dimensions: 19mm x 50mm x 45mm
 Weight: 35g (battery included)

Range

Aircraft-to-aircraft: >12nm (forward)
 >6nm (rearward)
 Aircraft-to-base station: >50nm (2800ft min. alt. difference)

Wireless

Frequency band: ISM license-free
 Antenna: Internal patch
 Modulation: Spread Spectrum
 Effective Radiated Power: +18dBm (US & Canada)
 Protocol: nemoMESH
 Certification: IC & FCC



Contact Us: 1-866-779-1518

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