

U TRACKER PRO



U_Tracker-PRO is a multifunction Autonomous Underwater Vehicle designed for bathymetry, 3D mapping and IRM for pipelines. The system offers industrial-grade mapping, high-resolution bathymetry, INS-FOG, GNSS-denied operations, precise imaging, accurate georeferencing.

Key features:

- Two man-portable
- FOG Inertial Navigation System (INS) for high-precision positioning
- PING 3DSS, for advanced bathymetry and high-resolution 3D seabed imaging
- An intuitive control interface that simplifies mission planning and execution
- 5 DoF control
- Fixed Depth and Terrain Following navigation
- Forward Looking Sonar for obstacle avoidance
- Maximum Operational Depth: 300m
- Endurance: 8h

Payloads:

- INS-FOG - Phins C3 Compact
- High resolution interferometric SSS and 3D bathymetric mapping Ping 3DSS
- Obstacle Avoidance
- DVL
- Camera and lights + LED
- Sound Velocity Profiler
- USBL

Controls:

- Pre-programmed patterns
- Acoustic modem data
- Periodic UW GPS fixes
- Radio link
- Acoustic tracking system

Weight:

- Air: approx. 35 kg
- Water: approx. 1.0 kg positive buoyancy

Dimensions:

- Length: approx. 2.6 m (depending on mission duration and payload)
- Diameter: 16 cm

Speed and endurance:

- Maximum speed: 5 knots
- Cruise speed: 3 knots
- Endurance: 8 hours

Propulsion:

- 1 main stern propellers
- 2 horizontal thrusters
- 2 vertical thrusters

Energy supply:

- Internal rechargeable Li-Po battery set

Communication:

- GPS
- Wi-Fi
- RF
- Ethernet
- Sat-com (optional)

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