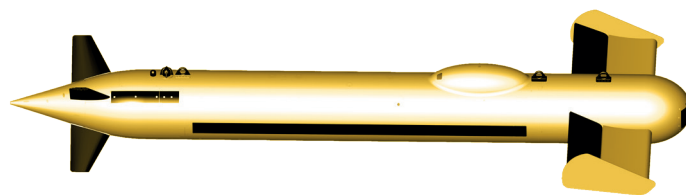


T18-M

Towed sonar for object detection and survey

- Up to 18 kts mine hunting operations
- 3D high resolution & coverage rate surveys
- Low installation constraints
- Easily deployable from various platforms
- Common design, spare parts & logistic optimization with A18-M AUV
- STANAG 1364 compliant



T18-M is a self-powered towed interferometric synthetic aperture sonar (SAS) for real-time detection, classification and mapping (SCM) of seabed and moored mines. Its equipped with a thinner umbilical cable and a lighter equipment for easier deployment from a USV or another platform.

CHARACTERISTICS

Body diameter	18 inches (465mm)
Dimensions	4700 mm
Weight in air	480 kg
Endurance	20 hours or more upon requirement Working life: 15 years
Energy	Internal rechargeable battery
Max speed	18 kts to water
Nominal speed range	5 to 18 kts
Operational depth	5 to 300 m
Working altitude	15 to 20 m over the seabed
Launch & recovery system	(including winch and HPU): +/- 1800 kg. Deployment / recovery speed: 60 m/mn
Navigation	Inertial Navigation System FOG-INS, Doppler Velocity Log (DVL), GNSS, CTD probe and Ultra Short Base Line (USBL)
Payload	Synthetic Aperture Sonar (SAS), Multi Beam Echo Sounder (MBES) or Gap Filler
Safety	Emergency Pinger Low magnetic & acoustic signature

ADVANTAGES

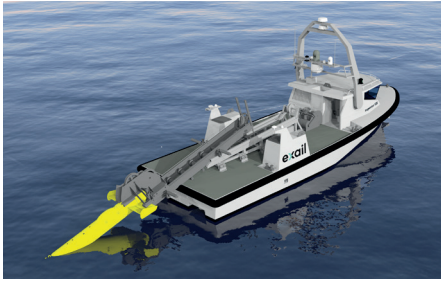
- Real Time data processing and target detection with UMISOFT DMTM™
- Operations in high sea state conditions
- Operations from remote center

PAYLOAD PERFORMANCES

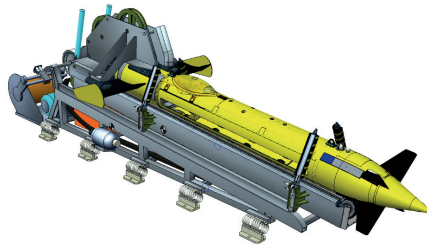
- Area Coverage Rate (ACR): > 3.8 km²/h @ 8 knots • ISAS frequency: 300kHz
- Max range: > 180 m @ 8 kts
- Max swath: > 360 m @ 8 kts
- Resolution: 3 cm x 3 cm

OPTIONS

- MBES or Gap Filler
- Obstacle Avoidance Sonar (OAS)
- Containerized C3
- Black paint scheme



T18-M for deployment by LARS onboard Inspector 125



T18-M on LARS



T18-M