

TRAILBLAZER MCM ROV



The ISE Trailblazer MCM ROV is a lightweight, highly manoeuvrable solution to mine detection, survey, recovery and disposal requirements. Developed by ISE specifically for MCM roles, the Trailblazer has successfully demonstrated its capabilities in Norway, Oman, Australia, the USA and Canada along with 4 other countries. Trailblazer is in current operational service with the Canadian Navy.

Trailblazer is equipped with a high power propulsion system to allow ease of manoeuvring in strong tidal currents meaning it can operate in ports and estuaries as well as in the open ocean. It has a low magnetic and acoustic signature with special consideration taken to enable close range inspection of mines and mine-like objects. Trailblazer is equipped with sonar and camera systems to enable operators to positively identify mines in a single survey without the need to put divers in the water. It can also carry and deliver a large number of mine disposal charges.

Standard equipment includes a flux gate compass with and optional iXSea PHINS inertial navigation unit, an Imagenex sonar, colour and low light black and white cameras with an option for an HD camera.

The Trailblazer system is simple to transport with all equipment fitting into either a standard ISO 6 m (20 ft) container or a standard airfreight container. It can be delivered to almost any location within a matter of hours.

Principal Characteristics:

Dimensions	Length: 2.5 m, Height 1.0 m, Width 1.0 m
Depth Ratings	300, 500, 1500 m
Weight	700 kg
Power	25 HP (30 and 50 HP models available)
Maximum Speed	6 Kts coaxial velocity
Navigation	Flux Gate Compass (iXSea PHINS optional) Imagenex sonar Colour and Low Light Black and White Video (HD optional)
Positioning	GPS Antenna USBL Transponder
Control	ISE Automated Control Engine (ACE)
Tooling	Optional 3 function manipulator, optional bomb rack
Umbilical	900 m lightweight cable (typical, other lengths available)
Mine Disposal Payload	4 x 22 kg Explosive charges
Handling	A-Frame or Knuckle Boom Cranes available
Container	Standard 6 m ISO Container for shipping Control and Maintenance Vans available



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