

Micro ROV

Compact, in-water inspection tool

The Micro ROV is a single-operator, hand-carried, contained, and rapidly deployed system for your underwater inspection needs of difficult-to-access locations.

This ROV system includes six thrusters, with four vectored horizontal thrusters that operate together to give it the power required for forward, reverse, and lateral movement. Combining the vehicle's mobility with its small size enables it to complete operations in tight quarters (piping, ballast tanks, passing through valves, and other cavities).



FEATURES

Hand-carried, lightweight, compact, and agile system supports inspections in difficult-to-access locations

Quick, simple set up and deployment

7.5 inch pipe fly through clearance

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The Micro ROV has been used as a part of our underwater inspection in lieu of drydocking (UWILD) tooling suite as a method to inspect ballast spool pieces, piping, and valve integrity for the purpose of meeting class inspection requirements. This system has also been successfully deployed to inspect overboard ballast valves, both internal and external. Its compact design enables the Micro ROV to pass through and return from open valves that typically prove to be an impasse for alternative types of inspections.

Technical Data

Size (LxWxH)	8 x 6 x 5.75 in / 203 x 152 x 146 mm
Weight	In Air: 6.6 lb / 3 kg In Water: Neutral (variable with adding or subtracting weight)
Depth rating	328 ft / 100 m
Tether length	390 ft / 120 m
Power requirements	100/240, 50/60Hz auto ranging
Additional specifications	Video Overlay (Date, time, depth, power setting) Camera (Color CCD 800RVL x0.1 lux (NTSC or PAL) Lights (4 x camera tracking LEDs, variable intensity) Thrusters (6 x thrusters: 4 x horizontal vectored, 2 x vertical) Sensors (Depth, temperature, humidity, and water ingress)
Monitor and data collection	7 in color, integrated DVR, removable SD card, waterproof

