

OUTLAND 1000 OBSERVATION CLASS ROV



OUTLAND 1000 ROV SYSTEM

SeaTrepid owns and operates one of the largest fleets of Outland 1000 ROV systems in the United States. This system has been the “bread and butter” of SeaTrepid since our inception.

Due to our intimate knowledge with this small observation class system we expertise to push it beyond the publicly accepted limits of an observational class ROV system. Custom engineering is accomplished for special scopes and applications, our team have engineered solutions for facets of observational subsea challenges.

FEATURES

- 4 ea. 1/3 hp Thrusters (17 lbs. thrust ea.)
- UWC-360, tilting, Fixed Focus Color (750-line .001 lux) Camera
- Additional Camera Options available
- Halogen or LED lights Available
- C-3405, 500 ft. Neutrally Buoyant, cable w/all connectors
- Consoles, Power supply, Joystick, Keyboard, 15" 2000 nit Monitor
- Depth and Compass Video Overlay
- Auto-Hover/Heading
- HD video Available
- Sonar and additional sensor options available

APPLICATIONS

The SeaTrepid Outland 1000 observation Class ROV offers a truly versatile, professional ROV system suitable for offshore use. Its small size provides a stable platform in spaces that are inaccessible by other larger ROV systems. This access helps ensure the security of assets by providing reliable video and sensor packages. With an enhanced propulsion system, it will continue working in currents that often stop other ROV small observation class systems. The thrust to weight ratio of this system allows our operators to perform tasks that amaze our clients. We have used this 35lb ROV to push 60-ton sheers, guide P&A tools into subsea well heads, position diamond wire saws into their cut location, double wrap and half hitch a 15' nylon strap, observe dive operations, perform tank, dam, and well inspection, and even untie a bow land knot in a rope, and many other unorthodox tasks.

***A VARIETY APPLICATIONS AVAILABLE DEPENDING ON SPECIFIC SCOPE*



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OUTLAND 100 OBSERVATION ROV SYSTEM

PERFORMANCE/DIMENSIONS

Depth rating: 1,000 fsw (300 msw)
Standard payload: 5.0 lb. (2.3 kg) lead ballast
Height: 10.5 in (260 mm)
Length: 26 in (650 mm)
Width: 15.0 in (370 mm)
Mass in Air: 39 lb. (17.7 kg)
Turning Rate: 270 degrees per second

CONTROL SYSTEM

This system incorporates a Surface Control Unit (SCU) Which communicates with the ROV's electronics housed in a one-atmosphere enclosure located on the vehicle SCU incorporates:

- Pilots control Console and Joystick
- Light Dimmers
- Automatic Depth and heading control
- Video Overlay system
- Earth Leakage protection

SCU Power Requirements:

110 VAC, 50/60 Hz, 1800-Watt

CAMERAS AND SONAR

1 X Compact 480-line color
- 360° tilt camera

1x Compact 600 line Black and White low lux
-360° tilt camera

1x Compact 480-line color -Fixed Camera

1x Imagenex 852 mechanical Scanning sonar (standard)

1x Blue View P900 imaging sonar (optional)

HD cameras and video options available

SCOPE SPECIFIC CUSTOMIZATIONS AND SKID OPTIONS AVAILABLE

A custom Outland 1000 with an Imagenex 852 mechanically scanning sonar, Blue View multibeam sonar, cathodic potential probe, and modified Seabotix grabber (manipulator). This system was customized for an inspection job in very low visibility.

LAUNCH/RECOVERY SYSTEM (Optional)

This ROV System is capable of being transported via helicopter to any remote location and hand launched to support many subsea applications. The LARS is available when working with DP vessels:

Winch: 500 ft (152m)
Weight: 4,500 lbs. (2,040 kg)
Length: 14.0 ft (4.3 m)
Width: 6.5 ft (2.0 m)

Safe Working Load: 1,950 lbs. (885 kg)
Power Requirements: 110 VAC, 50/60 Hz, 19 Amp

PROPULSION SYSTEM

The ROV is propelled by four Tecnydyne thrusters incorporating DC brushless motors, arranged for maximum efficiency:

2x Model 520 Horizontal Thrusters (23lbf ea.)

1x Model 300 Lateral Thruster (18lbf)

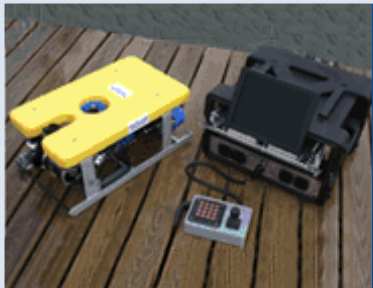
1x Model 300 Vertical Thruster (18lbf)

LIGHTING

2 x 150-Watt halogen lamps, dimmer controlled

2 x 10-Watt Sartec HID Lights (optional)

*additional lighting options available



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