



# SWALE OCEANOGRAPHIC

Teledyne Benthos

## MiniROVER – Stingray - SeaROVER Remotely Operated Vehicles

### High Performance, Low Logistics Inspection

The Teledyne Benthos line of ROVs incorporates some of the best features available in inspection class ROVs. Our family of vehicles addresses a broad range of applications, options, and accessories. The SeaROVER, MiniROVER, and Stingray are Teledyne Benthos' solution to the ever-changing needs of inspection class ROV users.

The **SeaROVER**, was designed with the *payload-centric* approach — the ROV is built around the sensor! The SeaROVER series can be expanded to accommodate different sensors and literally “flies” the sensor underwater.

The **Stingray** ROV has two built-in slide rails for easy installation of additional buoyancy, tools, cameras, lights, sensors, sonars or frames. The Stingray comes standard with three connectors for optional equipment and two camera connectors, giving the vehicle a high level of flexibility.

The **MiniROVER** is an extremely powerful, highly portable system (one-man deployable) with built in connectivity for many optional sensors, such as imaging sonars (including Teledyne BlueView). It was developed in response to customer requests for a portable but powerful ROV system. Over 500 of Benthos' MiniROVER series vehicles have been sold, making the MiniROVER one of our most popular ROVs.



## PRODUCT FEATURES

### Features

- High performance, exceptional thrust to weight ratio
- Low logistics, easy deployment, operations, and retrieval
- Compatible with many imaging sonars, designed for Teledyne BlueView systems
- Choice of cameras & lights
- Optional sensors, USBL nav system, altimeter etc
- Single and dual function manipulators available
- Optional fibre-optic umbilical
- Field proven and backed by decades of ROV experience

**SeaRover** is fully customisable

### Applications

- Ship hull inspection and port/harbour security
- Search and rescue
- Law enforcement evidence recovery
- Marine animal research and monitoring
- Mine counter measures
- Pipeline/infrastructure inspection
- Scientific Research
- Salvage

## TECHNICAL SPECIFICATIONS

	MiniRover	Stingray	SeaRover
<b>Manoeuvrability:</b>	3-axis translation		
<b>Horizontal surface speed:</b>	4 knots	4 knots	2.5 knots
<b>Operating depth:</b>	300 m of seawater		
<b>Height:</b>	30 cm	46 cm	69 cm
<b>Width</b>	41 cm	52 cm	66 cm
<b>Length</b>	69 cm	98 cm	87 cm
<b>Weight:</b> (excluding ballast & installed options)	23.5 kg	36 kg	47 kg
<b>Thrusters</b>	Two 1 HP (Horizontal) & one 1/3HP (vertical) magnetically coupled brushless DC motors	Four 1 HP (2 horizontal + 1 each vertical & lateral) magnetically coupled brushless DC motors	Four 1 HP (2 horizontal + 1 each vertical & lateral) magnetically coupled brushless DC motors
<b>Surface Control Unit &amp; Vehicle Power Supply</b>	37 cm high x 56 cm wide x 56 cm long Weight: 41kg		
<b>Input Power Requirements:</b>	100–130 VAC or 200–250 VAC, 47–63 Hz, auto-sensing - single phase, 3000 Watts - 5000 VA maximum, depending on installed options. Adjustable current limiting for use with small generators		
<b>Output Power to Vehicle:</b>	150-300 Vdc 12 Amps - isolated, regulated at vehicle		



## SWALE TECHNOLOGIES Ltd

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