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# TECHNICAL DATA SHEET



SYSTEM COMES COMPLETE AND READY TO GO

- 250 - 1,000 foot CABLE LENGTH
- VERY POWERFUL FORWARD/REVERSE THRUST
- SIX MOTORS, VARIABLE SPEED, REVERSIBLE
- 3 mph FORWARD SPEED
- LOW COST, VERY HIGH PERFORMANCE
- 500 foot DEPTH RATING (optional 1,000 foot.)
- COLOR CAMERA WITH AUTO IRIS
- 50 DEGREE WIDE-ANGLE LENS, 70 DEGREE TILT
- 13 inch COLOR MONITOR
- 0 - 400 watts OF TUNGSTEN HALOGEN LIGHTING (VARIABLE)
- THREE SPARE CONTROL LINES
- GROUND FAULT AND LEAK DETECTION CIRCUITRY
- TWO YEAR WARRANTY



## SeaLion Remote Operated Vehicle

The SeaLion ROV is a completely mobile underwater camera system capable of moving in any direction. Perfect for pipeline work, river and ocean searches, and the inspection of hazardous sites. The SeaLion is a more powerful version of Fishers very popular SeaOtter ROV. The SeaLion has two additional horizontal thrusters for more forward/reverse thrust. The SeaLion has a faster maximum speed of 3 mph and is capable of working in stronger currents than the SeaOtter. The more powerful thrust also allows the SeaLion to operate with longer lengths of umbilical cable (up to 1,000 feet). This is especially useful when performing tunnel or pipeline inspections. The SeaOtter has a maximum depth rating of 500 foot. The SeaLion is available with an optional 1,000 foot depth rating.

The ROV has a sophisticated six motor propulsion system; four motors for forward and reverse, and two motors for vertical and lateral thrust. All motors are reversible and operate at variable speed. Meters on the control panel monitor thrust and direction of the motors.

The SeaLion sends its video picture to a topside 13 inch high resolution color monitor. A VCR can be connected to the monitor to make a permanent record. The color camera has a 6mm wide angle (50 degree) lens. The camera's 70 deg tilt allows a full 120 deg viewing angle. Illumination is provided by four, 100 watt remotely controlled tungsten halogen lamps.

The system is highly portable and very "user friendly". With the optional spare parts kit, the ROV is field maintainable. Carrying case is included. JW Fishers SeaLion ROV system represents a major breakthrough in cost/performance for a ROV. This high performance system competes with systems costing more than twice as much. The SeaLion is covered by a TWO YEAR WARRANTY, the longest in the industry.



### SPECIFICATIONS

#### DIMENSIONS/WEIGHTS:

- SeaLion ..... 46"L x 22"W x 15"H ..... 125 lbs.
- Control Box ..... 14"L x 10"W x 6"H ..... 9 lbs.
- Cable ..... .7"D x 250'-1,000'L ..... 50-200 lbs.
- Monitor ..... 13"L x 14"W x 13"H ..... 18 lbs.

#### PERFORMANCE/DESCRIPTIONS:

- Camera/Lens ..... CCD color camera, 6mm 50 deg wide angle lens, 70 degree tilt, auto iris, remote focus.
- Monitor ..... 13 inch high resolution color.
- Lights ..... Four 100 watt tungsten halogen, fully adjustable from 0 to 400 watts.
- Motors ..... Six DC PM type, reversible, variable speed, proportional controlled, 24 + lbs forward thrust, 3 mph speed.
- Operating Depth ..... 500 feet. (1,000 foot optional).
- Color ..... Yellow/black.
- Sealing ..... Seven separate housings, O-ring sealed, each housing contains a leak detector. Motors use "no maintenance" rotary seals.
- Power Req ..... 120 vac, 9 amps, 1,000 watt max.

### OPTIONS

- 250-1000 foot cable
- Digital Compass
- Basic spares kit
- High resolution (470L) camera
- On screen display
- Manipulator arm
- u/w connectors at ROV
- 220vac (Europe)
- PAL camera and monitor (Europe)
- 1,000 foot depth rating
- Tubular aluminum crash cage
- Attached metal detector

1100 GW2000/PM4/DS



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