



2020 Catalog

Underwater Search Equipment
it **PAYS** to Own



JW Fishers offers two versatile ROVs

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SeaLion-2 & SeaOtter-2

The **SeaLion-2** ROV is ideally suited for a variety of applications:

- Pipeline inspections
- River and ocean searches
- Dam surveys
- Oil and gas platform work
- Fish farming
- Homeland security operations



The **SeaLion-2** is equipped with four high performance motors that make it more powerful than the SeaOtter-2. More thrust is available with a "Power Boost" feature that provides the ROV with an extra burst of speed when heavier currents are encountered. Other advantages are 1,000 foot depth rated housing and the ability to operate with cable lengths up to 1,500 feet. The SeaLion-2 has front and rear facing color cameras with pan and tilt functionality. On screen display (OSD) showing basic time, date, and GPS comes standard on both ROVs. Illumination for the front camera is provided by two 2200 lumen LED lights (4400 lumen total). A ring of high intensity LEDs provide lighting for the rear camera. System controls are cleanly laid out in a high impact, splash proof case with built in 15" ultra bright LCD monitor. A handheld controller attaches to the console to control lights, cameras, and thruster power. Both ROVs come with a Pelican® watertight, portable carry case.



The **SeaOtter-2** is best suited for low current applications including piling inspections, lake searches, dam surveys, and tank inspections. Controls for the system are cleanly laid out in a high impact, waterproof case with built in 10.4" LCD monitor.

Options:

1. Manipulator arm
2. Side cameras
3. RMD-1 metal detector
4. Scanning sonar (SCAN650)
5. Computer control interface
6. Cable Management System (CMS)
7. Built in DVR
8. GoPro® HD camera



with a complete line of accessories.

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ROV Comparison

Feature	SeaOtter-2	SeaLion-2
Depth Rating	500' (~150m)	1,000' (~300m)
Forward Speed	2-3 mph	4 mph
Motors	4 motors	4 Hi-Output motors
Power Boost	No	Yes
Lights (dimnable)	4400 lumen LED	4400 lumen LED
Cameras	2 (front & rear)	2 (front & rear)
Pan & Tilt	Yes	Yes
Monitor	10.4" ultra bright	15" ultra bright
Leak detection	Yes	Yes
On Screen Display (time, date & GPS)	Yes	Yes
Available Options	SeaOtter-2	SeaLion-2
Max cable	500' (100m)	1,500' (450m)
Additional Sensors		
Compass	Yes	Yes
Depth	Yes	Yes
Temperature	Yes	Yes
Auto Heading	No	Yes
Distance off Bottom	No	Yes
Depth Control	No	Yes
Computer Control	No	Yes
Side Cameras	No	Yes
Manipulator Arm	Yes	Yes
RMD-1 Metal Detector	Yes	Yes
Go-Pro (for recording in HD format)	Yes	Yes
Sector Scanning Sonar	Yes	Yes
DVR Recorder	External	Internal or External





ALL video systems now come standard with 1080p HD-TVI cameras!

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Unit	Camera Resolution	Camera Lines	Recording Capability	Topside Viewing	Options
TOV-2 HD	1920 x 1080 (1080p) full-HD	1,000	Yes	Yes	- Cable connector - VRM-2 HD - DDW-1 wing - CMS System - 500' depth capability
DV-2 HD	1920 x 1080 (1080p) full-HD	1,000	Yes	Yes	- Cable connector - VRM-2 HD - CMS System - 1,000' depth capability
DHC-2 HD	1920 x 1080 (1080p) full-HD	1,000	Yes	Yes	- VRM-2 HD - CMS System - 1,000' depth capability
MC-2 HD	1920 x 1080 (1080p) full-HD	1,000	Yes	Yes	- VRM-2 HD - Internal light ring - Pole mount adapter - 1 or 2 external LED lights - 1,000' depth capability

TOV-2 HD Towed Video

The TOV-2 HD is the next generation towed video system now coming standard with full-HD video! The system includes two 1500 lumen LEDs (3000 lumen total) for lighting, a 150' kevlar reinforced tow cable, a sleek body design and HD camera. The dimmable LED lights provide quality underwater images even in low visibility or low light conditions. The towed video provides a cost effective way to perform large scale underwater searches. Rather than deploy divers to swim extensive grid patterns looking for lost objects or conducting benthic surveys, deploy the TOV-2 HD and view the underwater environment from the comfort and safety of a boat.

This high performance underwater camera is in use by dive rescue groups and law enforcement agencies worldwide as well as NOAA, and various state and federal departments.



DV-2 HD Drop Video

In 2020 the DV-2 HD drop video system comes standard with a full-HD camera! The complete system includes a small body, two powerful 1500 lumen LEDs (3000 lumen total), a 150' kevlar reinforced tow cable and an HD camera.

The DV-2 HD is the perfect tool to view an underwater site or search a small area. This versatile system can be deployed as a vertical dropped camera or handheld when performing inspections. Difficult or dangerous dives can be avoided by deploying the drop camera to search for lost objects, sunken vessels, submerged vehicles, or to assist in any of the underwater operations normally performed by public safety dive groups. The DV-2 HD is especially useful for deep water search operations that may involve diving beyond no decompression limits; saving time and eliminating risk to divers.



Towed, drop and diver-held cameras for every search and inspection operation.

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DHC-2 HD Diver Held Camera



JW Fishers' DHC-2 HD diver-held camera is a ruggedly built underwater video system designed for use by commercial diving companies, law enforcement agencies, military units and scientists. It is the perfect tool to perform a bridge inspection, examine the hull of a ship, view the face of a dam, capture an underwater crime scene, or film evidence. The DHC-2 HD sends live video from the underwater camera to the surface for viewing and recording. Topside personnel can make on the spot decisions about work that needs to be done to an underwater structure or how to proceed with a recovery operation.



The DHC-2 HD is constructed of corrosion proof PVC and depth rated to 1,000 feet. The two powerful 1500 lumen LED lights (3000 lumen total) provide bright illumination underwater and a switch on the housing lets the diver control the camera and the amount of light on the target.



MC-2 HD Mini Camera



The MC-2 HD mini camera now comes with HD video recording capability and can be outfitted with two 1500 lumen LED lights. The MC-2 HD is so compact and light weight it can easily be mounted on a diver's helmet or lowered into a pipe for an internal inspection. Attaching the camera to the helmet allows the surface support team to see what the diver sees while performing an inspection or repair operation. Connect a VRM-2 HD recorder to the topside monitor and a permanent record of the job can be made for the client in full-HD quality. Attach the MC-2 HD to a pole handle and surface personnel can use it to inspect seawalls, bulkheads, ship hulls, and any other job where the camera can be maneuvered from above, eliminating the need to deploy a diver.

The MC-2 HD comes with a corrosion proof PVC housing depth rated to 500 feet, 150 feet of cable and is surface powered by 120 - 240 vac. Two light systems are available; a high intensity internal LED ring light or end users choice of one or two powerful 1500 lumen LEDs (3000 lumen total).





Start your search by removing the water with CHIRP side scan sonar

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CHIRP Side Scan Sonar

JW Fishers' NEW Chirp 450/900 kHz side scan sonar system is the next generation in the widely used sonar line. The new system offers the popular CHIRP technology at a fraction of the cost of the competition. Building on over 30 years of sonar experience, CHIRP sonar offers the end user benefits over the conventional sonar such as longer range operation and increased resolution.

Side scan sonar is one of the most effective tools for underwater exploration because it can search a large area quickly and produce a detailed picture of anything on the bottom or in the water column, regardless of the water clarity. When looking at a side scan image it appears as if the water "has been removed" and the operator is getting an unobstructed view of the ocean floor, lake bottom, or river bed. High resolution images are sent from the towfish to a topside, ruggedized laptop for display and storage. An optional tablet mounted into the control box lid is available for small, open-boat operations.

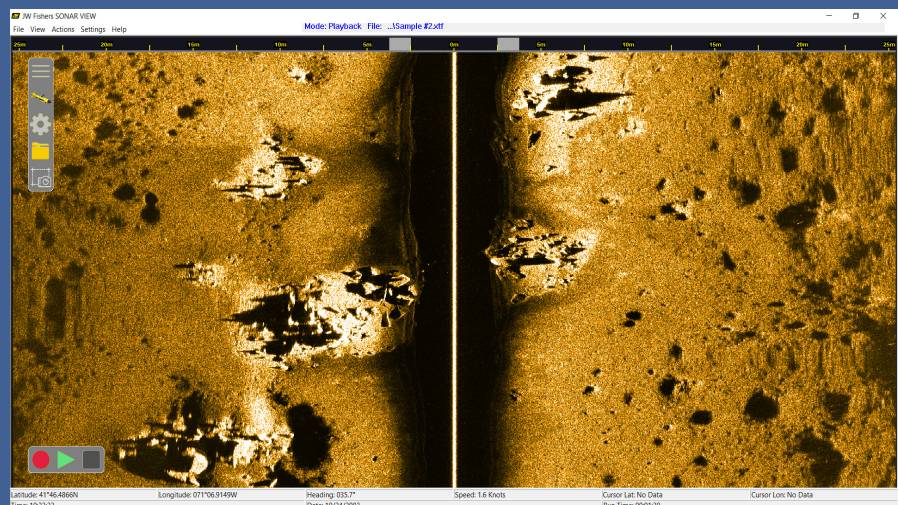
Fishers updated SONAR VIEW software gives the operator complete control over the side scan's operating parameters ease of use and added features not previously seen, while still allowing scan ranges and color schemes. The main features of the updated software include touchscreen functionality, easier user interface and a more modern feel. With included GPS positioning hardware, coordinates are automatically captured in the data. Move the mouse on a target, and position coordinates are displayed on the screen. Annotations can be added to images and stored. All files are stored in the industry standard XTF format for viewing and playback.

The standard system comes with 150 feet of kevlar reinforced cable, a towfish that is able to be separated into two parts so that it easily fits into a watertight Pelican® case (included), a semi-rugged GETAC laptop, system control box and SONAR VIEW software.

The popular JW Fishers SSS-600kHz system will remain available as a more economical sonar system and will still provide the images that have made this selling unit popular for the last decade.

Options:

- Cable up to 1,000'
- Cable Management System (CMS)
- Sonar coverage Map software
- DDW-1 depressor wing
- Tablet



or the more economical sector scanning sonar.

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SCAN-650A & B Scanning Sonar



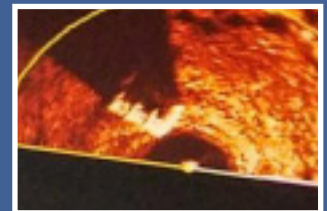
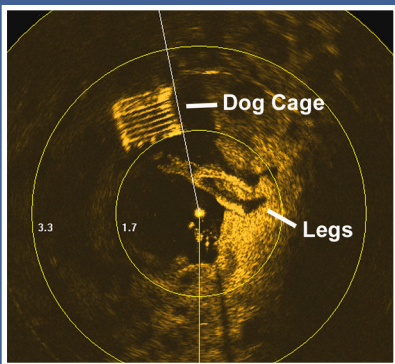
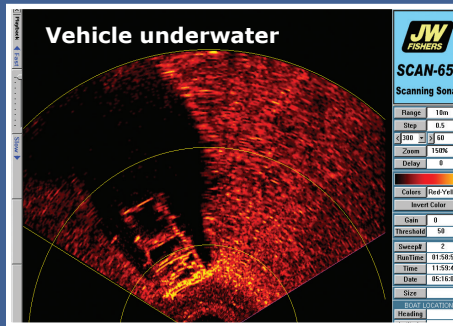
Scanning sonar is an excellent tool for a variety of search operations because it produces a "picture" of the underwater environment regardless of water clarity. Scanning sonar is an ideal alternative for areas that are not conducive to a towed system, such as through ice or man made lakes. Fishers' SCAN-650 is a high performance scanning sonar that can be deployed from a boat by mounting the transducer on a pole handle for shallow water operations or attaching the sonar head to a tripod and lowering it to the bottom for sharper images or deeper water OPS. This sonar can also be attached to almost any ROV to locate targets beyond the visual range of the camera, or for use as an obstacle avoidance system in low visibility environments. The sonar beam sweeps the bottom 360 degrees (or any portion of the circle) around the transducer. Objects

on the bottom that are within the sonar's scanning range, are displayed on the topside computer. The operator decides how far to scan by selecting one of 5 range settings. Available range settings are 5, 10, 20, 40, and 60 meters. The SCAN-650 "A and B" is also available in a narrow beam configuration for a higher resolution image (SCAN-650NB). Scanned files are stored on the computer's hard drive along with the boat's GPS position, time, date, and other pertinent data. Files can be played back at any time, and screen shots captured for printing or e-mail. The software allows post-processing of data for editing and merging files. A sizing tool is used to determine the dimensions of an object. All files are stored in the industry standard XTF format for viewing and playback.

The SCAN-650 package includes the sonar head and electronics in an underwater housing, 150 feet of cable, topside sonar processor box, software, GPS and USB interface cable to your computer.

Options:

- Cable lengths up to 2,000
- Narrow beam
- Tripod
- Tablet
- Carry case



Left - Barrel on video monitor (ROV) and computer monitor (SCAN-650)

Above - Enlarged sonar image of barrel

See what's under the ocean floor with a Sub Bottom Profiler.

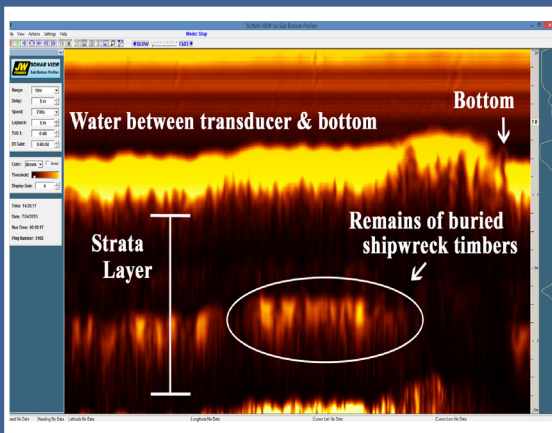
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Sub Bottom Profiler

The SBP-1 is used to identify the thickness of the different strata layers below the ocean floor. Most importantly it will show any density disturbance within a strata layer; thus indicating that there is something foreign underneath the surface. A transducer releases a sound pulse vertically downwards through the sea floor, and a receiver records the return of the pulse once it has been reflected off objects beneath the sea floor. Unlike a simple echo sounder, parts of the sound pulse will penetrate the sea floor and be reflected off of the different sub-bottom layers or strata layers.



Fishers' SBP-1 has an advantage over most competitors as this unit is either pole mountable for shallow water searches or boat tow-able for search in deeper areas allowing superior versatility for the end user.



The SBP-1 system includes the sonar towfish constructed of corrosion proof, high impact PVC, 150 feet of Kevlar reinforced cable (additional lengths are available up to 1,000 feet), the topside sonar processor box and laptop computer pre-loaded with the JW Fishers' SONAR VIEW for Sub Bottom Profiler software. The SONAR VIEW software gives the sub bottom operator complete control of all system functions with easy to use pull-down menus and icons on the screen. The 36 inch long by 24 inch wide towfish provides a very stable platform for the sonar transducer allowing the best possible images to be obtained. The SBP-1 is capable of penetrating up to 130 feet into the seabed. The sonar beam reflects off any solid objects below the sea floor and is sent topside for display and storage on the computer. An image is produced of any target of different density than the surrounding substrate. With included GPS, images and positioning coordinates can be stored in memory for playback and post processing at any time in the future. Small file sections including screen shots can be copied for e-mailing.

Options:

- Cable up to 1,000'
- Cable Management System (CMS)
- Sonar Coverage Map software
- DDW-1 Depressor Wing



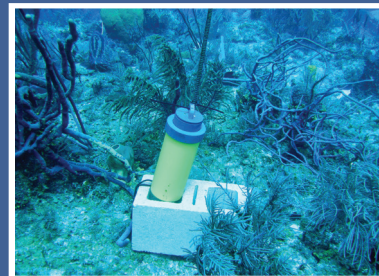
Mark a target's position so it can be quickly relocated in the future.

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Sonar Pingers and Transponders



Fishers' acoustic pingers and transponders make it quick and easy to relocate an underwater site or piece of equipment. The pinger continuously transmits a sonar signal, while the transponder transmits only when it is activated by an interrogator. A diver equipped with a pinger receiver or interrogator (see below) can pick-up the acoustic signal and follow it directly to the pinger or transponder. Pingers and transponders are available with different transmit frequencies so many units can be deployed in the same general area without causing interference from each other. Pingers and transponders can operate for a few days to several months (or longer), depending on the selected output power and frequency. Pingers are available in both medium frequency (20-50 kHz), for a 2 to 3 thousand foot range, or low frequency (11-16 kHz) for a 3 to 6 mile range. The pingers are also available in single frequency or multi-frequency. The single frequency transmits only one frequency which is set at the factory. The multi-frequency can transmit many different frequencies which are operator selectable.



Options:

- Larger housings (extends operating time)
- External switch
- Carry case
- Software and delayed start (low frequency pingers - ONLY)



Sonar Receivers and Interrogators



The PR-1 Pinger Receiver and DHI-1 Diver Held Interrogator are highly advanced acoustic receivers. Although physically the same size, they have different capabilities. The PR-1 is capable of locating any pinger transmitting a frequency between 3 kHz and 97 kHz. The DHI-1 first activates the transponder then pinpoints its location and shows the distance. The PR-1 and DHI-1 can be carried by a diver or deployed from a boat. Operating the receivers is easy; select the frequency to be located and scan the area with a 360 degree sweep. Audio and visual readouts alert the operator to the presence of a signal. Once a pinger is detected the diver swims in that direction guided by a compass mounted on top of the unit. As the receiver gets closer to the acoustic source, more LEDs are illuminated on the light bar. To locate another pinger or transponder, simply change the frequency using the control on the front panel. The receivers are powered by an internal rechargeable battery pack that provides 30

continuous hours of operation for the PR-1 and 20 continuous hours of operation for the DHI-1 before recharging.

Options:

- External hydrophone
- 200 meter depth rated housing
- Dual underwater earphones
- Carry case.

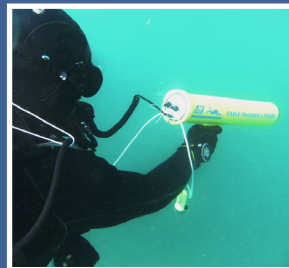


Tracking cables and pipes just got faster and easier with Fishers CT-1 and PT-1.

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CT-1 Cable Tracker

JW Fishers' CT-1 cable tracking system was specially designed to locate deeply buried power and communication cables. The CT-1 can locate cables on land and underwater. In addition to locating and tracking cables, the CT-1 can also find breaks or faults in the line. The cable tracking system consists of two parts, a hand-held Probe and the Signal Injector box. The box is attached to the shore end of the cable and a signal is injected into the line. A diver carrying the Probe can detect the signal and follow it. The Probe has a waterproof earphone that provides an audio alarm and an LED light bar for visual readout. As the diver gets closer to the cable, the audio signal gets louder, and more LEDs illuminate in the light bar. When tracking live power cables it is not necessary to inject a signal onto the line. The Probe will detect the 50 Hz (Europe) or 60 Hz (USA) signal. If the power cable is dead or the cable is fiber optic, then a signal must be induced. In most cases, the Probe will begin to detect the cable from a significant distance. The detection range is often so great that when working in shallow water it is not necessary to deploy a diver to locate and track it. Working from a boat with the nose of the probe pointed down over the side of the boat, the cable can be tracked from the surface. When tracking cables on the bottom, a triangulation technique allows the diver to determine the approximate depth of burial of the cable. The Probe has a rechargeable battery pack that powers it for 6 to 9 hours. The Signal Injector box is powered by 120 volts AC. The box can be powered from 12 volts DC with the use of an inverter and from 220 volts AC with the use of transformer.



Options:

- Carrying case for probe
- Dual underwater headset
- 500' depth rated probe
- 220 volts AC transformer

PT-1 Pipe Tracker

The PT-1 is a pinpointing magnetometer designed to detect variations in pipelines (couplings or ends) to aid in the tracking and location. A simple sweeping, side to side motion is utilized to follow a pipeline. It works equally well on both land and underwater. The PT-1's advantage over metal detectors is its greater detection range. Its advantage over other magnetometers is its directional detection capability which means the PT-1 can quickly guide the operator directly to the target. Another advantage of the PT-1 is that it can be used in areas with iron or steel structures nearby, such as bridges and ships,

and still pinpoint the location of targets in close proximity to them. It can even detect steel objects encased in concrete, like rebar and pipelines. Audio and visual readouts alert the diver when a target is detected. The magnetometer has a rechargeable battery that will power it for up to 15 continuous hours of operation. The PT-1 comes complete with underwater earphone, 12 volt DC and 120 volt AC charging transformer.

Options:

- Dual underwater earphones
- Carry case



Magnetometers are the most sensitive ferrous metal detectors available.

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Proton 5 Magnetometer

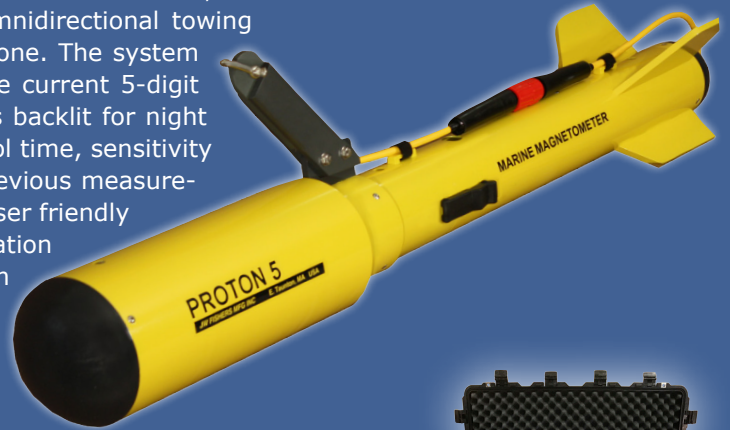


The PROTON 5 is the fifth generation proton magnetometer from JW Fishers. It is a top performing, microprocessor driven, marine magnetometer detection system. With a one Nano -Tesla (nT) sensitivity, it has the maximum usable sensitivity for a towed proton precession magnetometer. A two second cycle time gives a strong return signal and is fast enough to detect even small iron/ steel targets. The PROTON 5 features a triaxial, noise-cancelling sensor that allows omnidirectional towing without heading error or dead zone. The system is fully digitized and displays the current 5-digit measurement on an NEW easy to read 6 inch LCD screen that is backlit for night operations. With the optional altimeter the distance off bottom, pol time, sensitivity and alarms are also displayed on LCD screen. Up to 80 of the previous measurements can be displayed graphically in a history plot on the LCD. User friendly menus allow easy configuration of all operation settings and system tuning directly from the top-side control box. The Towfish has excellent hydrodynamic characteristics, moving smoothly through the water at tow speeds up to 10 knots. A 2-3 knot tow speed is recommended for small targets.

With the optional UA-3 Altimeter, precise distance off the bottom can be maintained. The PROTON 5 towfish is able to be separated into two parts so that it easily fits into a watertight Pelican® case (provided).



With the optional UA-3 Altimeter, precise distance off the bottom can be maintained. The PROTON 5 towfish is able to be separated into two parts so that it easily fits into a watertight Pelican® case (provided).



Options:

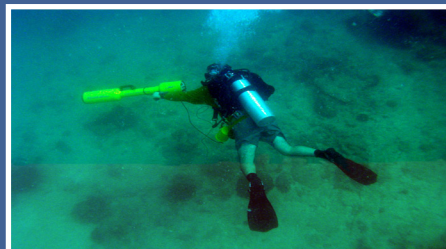
- USB data output
- Tracker 3 software
- Tablet or a rugged computer
- Cable Management System (CMS)
- DDW-1 wing
- 1,000 foot depth rated housing
- Cable lengths of up to 1,000'
- UA-3 altimeter

DiverMag-1 Diver Held Magnetometer

The Diver Mag 1 has the same high performance as the Proton 5, but it's built to be easily carried on land or moved through the water by a diver. This hand-held mag has user friendly controls that make it simple for a diver to operate. A large LCD display and audio alarm heard through an underwater earphone alert the diver to the presence of an iron or steel target. The Diver Mag is ideal for many of the operations performed by today's commercial diving companies including tracking pipelines, finding anchors and chains, and locating submerged objects. Law enforcement divers also find it an excellent tool for locating weapons and explosive devices. In shallow water operations the Diver Mag is so sensitive it can be operated from inside the boat to locate submerged vehicles and sunken vessels.

Options

- Hard carry case
- 220 vac transformer
- Spare Battery pack and charger
- Dual u/w headset



Fishers hand held metal detectors are the most powerful you can buy.

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Pulse 6X and 8X Hand Held Metal Detectors



With a 200 foot depth rated housing and 6 foot maximum detection range, the Pulse 8X is JW Fishers' top of the line model. This commercial-grade metal detector is in use by professional archaeologists, commercial diving companies, law enforcement agencies and military units worldwide. The Pulse 8X comes with a complete accessory package that includes everything needed for land and water hunting. Detects all metals from coins and jewelry, to anchors and cannons; on land and underwater. Powered by an internal 9 volt rechargeable battery, the detector will easily run all day on a full charge. Unlike some other detectors, this machine will not give false readings in mineralized environments, such as salt water, around coral reefs, near high iron rocks, or on black sand beaches. An optional connector can be installed giving the end user the ability to change coils sizes based on project. Two of these coils can be deployed from a boat which means the



detector's electronics unit stays topside with the operator, and a large detecting head with a long cable is lowered to the bottom. Search for pipelines, outboard motors, anchors and sunken treasure, without ever getting wet!

The Pulse 6X is a more economical version of the Pulse 8X. This detector's single knob control makes it extremely easy to operate. Ideal for novice hunters and new divers - just turn on and go! The Pulse 6X can also be upgraded to the Pulse 8X at any time.

Options:

- U/W connector
- Dual underwater earphones
- Spare battery pack
- External battery charger
- Various size search coils.



SAR-1 Underwater Metal Detector

JW Fishers' SAR-1 was specifically designed for military, law enforcement and public safety dive teams to locate metallic objects in low visibility environments. The "snareless" SAR-1 has a streamlined design with no external wires or cables which makes this detector the ideal tool for work in environments with potential entanglement hazards. The SAR-1 indicates the presence of metal by both vibration in the handle and on the ultra bright LED display. The unit works equally well in fresh or salt water, and detects a variety of targets including shell casings, handguns, rifles, shotguns, knives, UXO, mines, and any type of explosive device containing metal. This high performance Pulse Induction metal detector detects both ferrous and nonferrous metal objects, while ignoring minerals in the environment. The detector will not give false signals from salt water, coral, high iron rocks, or other ground mineralization, as some other types of detectors do.



As with all JWF detectors, the detection range is not affected by the material between the search coil and the metal target. Whether detecting through air, water, silt, sand, mud, or rock, the detection range remains the same.

Options:

- Extra battery pack
- External battery charger



JW Fishers' boat towed metal detector is a powerful commercial grade detector.

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Pulse 12 Boat Towed Metal Detector



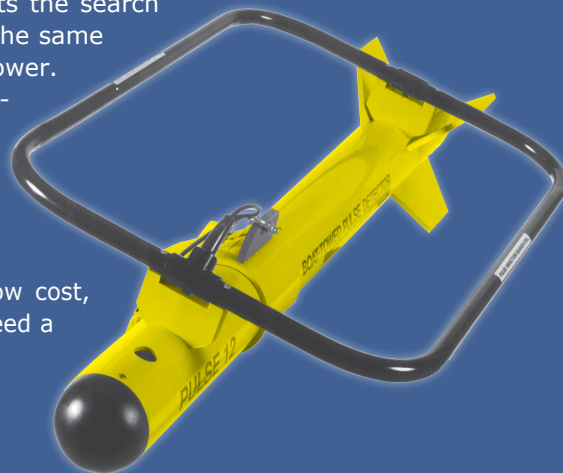
The Pulse 12 is Fishers' most powerful detector for ferrous and nonferrous metal targets. With its 24 foot wide and 16 foot deep detection envelope this detector will locate a variety of targets including aluminum boats, brass propellers, outboard motors, steel anchors, bronze cannons, and gold bars. A key feature of this detector is the control unit can accept inputs from 3 search coils. Using 3 coils instead of 1 lets the search team cover 3 times the area with the same amount of time, fuel, and manpower. The Pulse 12 comes with one towfish and coil, 150 feet of cable, and the topside readout unit

with controls for 3 towfish. Meter and audio outputs alert the operator to the presence of a metal target.

The Pulse 10 is a more economical version of the Pulse 12. This detector's low cost, yet large detection area makes it a great alternative to those on a budget yet need a detector to tow behind their vessel!

Options:

- Two additional fish and coils
- USB data output
- 500' depth rated housing
- Tablet
- Tracker 3 software
- DDW-1 depressor wing.
- UA-2 underwater altimeter



To Our Loyal Customers,

In 2020 we will celebrate the passing of our founder Jack Fisher not with sadness, but with great pride that his legacy has continued for the first five years without him. JW Fishers Mfg., Inc. has not only survived, but has grown in both sales and product breadth since his untimely passing. The SAR-1 underwater metal detector has become a popular unit when the application calls for dark water operations. The Proton 5 Magnetometer is superior to all its predecessors with its advanced tuning capabilities, digital processing and options previously unavailable due to technology limitations.

This year, we are proud to introduce our entire video line to HD quality formatting, which will set the new bar for underwater video recording and monitoring for our products. Also added to the product line is the 450/900 kHz CHIRP Side Scan Sonar. This system has been long in development and now being offered at a more economical price than all other competition.

All the success and product development would not be possible without Jack's vision back in the late 1960's and the continued loyalty of our entire customer base - we thank every JWF equipment user for their dedication and we thank Jack for his determination in growing the global business we are today!

- Brian Fisher, COO

Underwater search accessories that add

Visit jwfishers.com for comprehensive data sheets on all products.

CMS Cable Management System



The Cable Management Systems are cable reels with slip rings which allow complete operation of the system while deploying or retrieving cable. CMS-1 cable reel holds up to 500 feet of cable and is housed in a Pelican® 1620 case. The CMS-2 cable reel holds up to 1,000 feet of cable and is housed in a Pelican 1660 case. Both cases come with wheels and a retractable handle for ease of transportation and storage.

Pelican® Carry Cases



Add a Pelican® hard carry case to most JW Fishers products for easy transport and added protection in the field.

Tablet



A tablet mounted to the control box of Fisher's Side Scan Sonar, SCAN-650, Proton 5 and Pulse 10 or 12 for ease of viewing.

Additional Search Coils for 6X and 8X



GoPro® Camera



Attach a GoPro® to your JW Fishers' ROV to capture high definition (HD) video. Comes with 1,000 foot depth housing.

With a few different options, your JW Fishers' pulse detector can be used on land, at depths of up to 200 feet (~60m), or deployed from a boat. Different size coils have different detection ranges. Large coils (16", 18" and 8" x 48") have very wide and deep detection envelopes for finding larger objects at deeper depths. Small coils (probe coil and 5" coil) have smaller and more concentrated detection envelopes to easily locate smaller targets.

versatility and enhance performance.

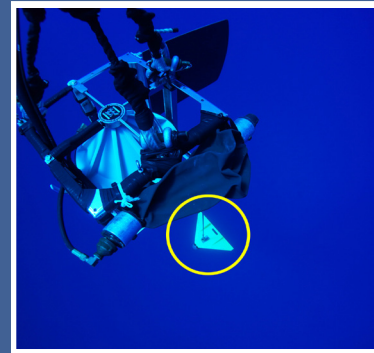
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DDW-1 Deep Dive Wing



The DDW-1 deep dive wing is designed to tow any underwater instrument package deeper using less cable. A typical ratio of cable length to tow depth is 4 to 1 which means 400 feet of cable is needed to tow at a depth of 100 feet. By using the wing the ratio is reduced to 2 to 1 which means the equipment can be towed 100 feet deep with only 200 feet of cable. The DDW-1 is routinely used with side scan sonars, magnetometers, towed video equipment and metal detectors.



DHL-2 and SL-2 Dive Lights

DHL-2 Diver Held Light



Powerful LED lights!

Fishers' underwater light systems are ideal for any of the numerous underwater inspection projects encountered by today's commercial divers like hull or bridge inspections.

The DHL-2 Diver Held Light supply continuous lighting via two 1500 lumen LEDs

The SL-2 Single Light uses one 1500 lumen LED in the. SL-2 lights can be ganged together for those applications where multiple lights are required.

Both light systems are surface powered by 120 volt AC and include ground fault protection circuitry.

SL-2 Single Light



Powerful LED lights!

VRM-2 HD Video Recorder and Monitor

The new VRM-2 HD has a video monitor and a built-in Digital Video Recorder (DVR). Any JWF video camera system can be connected to the VRM-2 HD. The control panel of the VRM-2 HD contains switches and controls to operate both the camera and lights. The built-in DVR recorder is operated via a waterproof, touch keypad. A GPS is now included with the system and will transfer coordinates onto the screen and recorded video. Time and date stamps are also recorded and text overlay is possible with the addition of an included waterproof, USB keyboard. Also included is a microphone that allows the top-side viewer to record vocal notes while video is being recorder. The video and audio is recorded on a 32GB SD card (included).





Jack Fisher, Founder

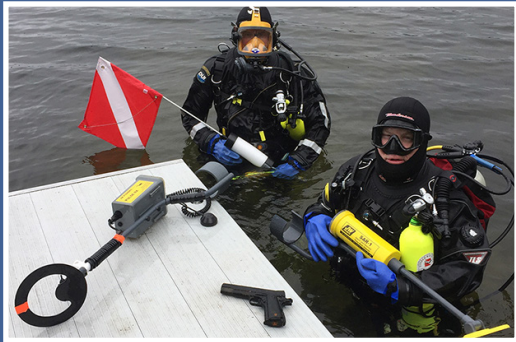
Rated #1 by U.S. Department of Homeland Security.

Visit jwfishers.com or more photos from our customers and to read our JWF news releases

JW Fishers' Pulse 8X has been rated the best underwater metal detector by the U.S. Department of Homeland Security's (DHS) SAVER program. The System Assessment and Validation for Emergency Responders (SAVER) program was established to assist emergency responders in making procurement decisions. Located within the DHS Science and Technology Directorate, the SAVER Program conducts objective assessments and validations on commercial equipment and systems and provides those results along with other relevant equipment information to the emergency responder community. In a comparison of the 8 top underwater detectors on the market, Fishers' Pulse 8X was rated number one!



The tools used by law enforcement agencies to investigate crimes and ensure public safety are critical to their success. Police departments and sheriff's offices around the country are now equipping their teams with underwater metal detectors to ensure safe and effective mission execution. An essential tool for locating evidence disposed of in a waterway, metal detectors routinely assist public safety divers in finding weapons, shell casings, stolen objects, and explosive devices.



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