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**Rated #1
Underwater
Metal
Detector by
US Homeland
Security**



Data Sheet

Pulse 6X / 8X Hand Held

Metal Detector



- **Extremely sensitive**
- **Equally sensitive in salt, fresh, or on land**
- **Will not detect minerals**
- **Detects all metals**
- **Interchangeable search coils**
- **Large meter and u/w earphone**
- **Rechargeable batteries**
- **200 foot depth rating**

System Information – for P6X

- P6X can be upgraded to a PULSE 8X at any time
- Single control knob for ease of operation
- Detects both ferrous and non-ferrous metals
- Detection indicated by both meter and earphone
- Compact underwater earphone
- Separate handles for land and underwater use
- Belt-holder for hip mounting the control unit
- "Battery Low" LED
- 120vac and 12vdc battery chargers



Additional features – for P8X ONLY

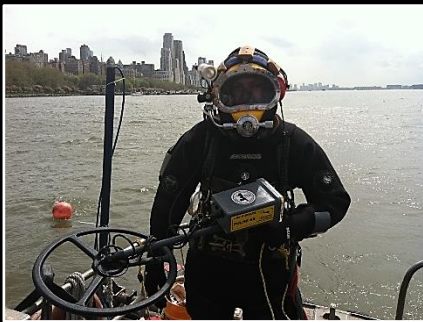
- Increased (100% more) sensitivity and detection area
- Low, med, and high sensitivity switch allows pinpointing of targets
- Land headset
- Carrying bag for detector and accessories
- Meter shows battery voltage

Dimensions and Weights

- Coil - 7.5 inches diameter - 11 oz.
- Underwater handle - 31 inches - 1.5 lbs.
- Aluminum land handle - 38 inches - 2 lbs.
- Case - 7.5"L x 5.5"W x 4"H - 4 lbs.
- Shipping box - 8"H x 12"W x 36"L - 15 lbs.

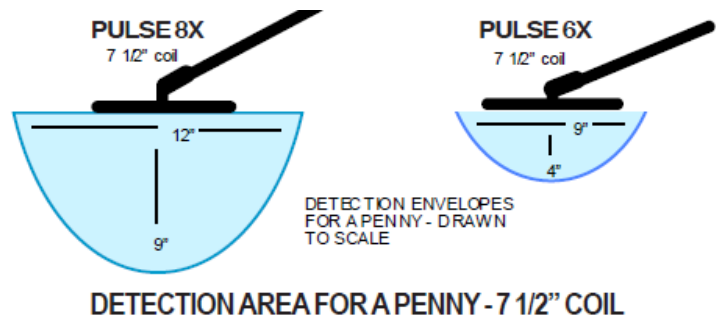
JW Fishers' Pulse 6X and 8X detectors are two of the top performing underwater metal detectors on the market today. These commercial grade detectors are specifically designed for underwater operations, but work equally well on land, in fresh water, or salt water. The P6X and P8X will easily locate a variety of targets including gold and silver jewelry, coins, artifacts, weapons, ordnance, anchors, pipelines, cannons, and cannon balls. These high performance Pulse Induction metal detectors detect both ferrous and nonferrous metal objects while ignoring minerals in the environment. The detectors will not give false detection signals from salt water, coral, high iron rocks, or other ground mineralization, as other detectors do. The detection range is unaffected by the material between the detector's coil and the metal target. Whether detecting through air, water, silt, sand, mud, or coral, the detection range remains the same.

The top of the line Pulse 8X is the most sensitive pulse detector on the market, and continues to be the 1st choice of commercial and professional divers worldwide. The 8X is in use by US and foreign Navies, Coast Guards, the FBI, the Secret Service, numerous federal and state law enforcement agencies, and professional treasure hunters everywhere.



Sensitivity – using 7.5" coil

Object	Pulse 6X	Pulse 8X
Small Ring	2.5 inches	5 inches
Penny	4.5 inches	9 inches
Quarter	5 inches	9.5 inches
4" x 4" x 1/8" aluminum	9 inches	15 inches
1 gallon can	22 inches	30 inches
Larger targets (maximum)	3.5 feet	6 feet



The P8X package also includes a carry bag and land headphones. The P6X and P8X have both visual and audio target indicators. When a metal object is detected the audio alarm sounds and a meter shows the strength of the signal. The meter is beneficial in determining the size and burial depth of the target, information not easily conveyed by the blinking LED indicators or the audio-only readout of other detectors. The audio alarm is loud enough for a diver to easily hear without having the earphone directly over the ear.

Rechargeable batteries power the detectors for 12 hours before requiring an overnight recharge. Batteries can be easily field replaced to allow around the clock operation. Unlike competing detectors, the electronics compartment can be opened for inspection or battery replacement without voiding the warranty.

The detector's buoyancy is slightly negative in the water. This allows the diver to sit the detector on the bottom to dig a target without having it float away, which is a problem with "positive buoyancy" detectors. The underwater housing is a single solid casting with 1/4" wall thickness and molded-in brass inserts. A 1/2 inch thick acrylic faceplate is fastened down with six stainless steel screws giving a maximum depth rating in excess of 200 feet.

What's included

- Metal detector
- AC charger
- DC Charger
- Hip belt
- Underwater handle
- Land handle
- Underwater single earphone
- Land headset (8X only)
- Spare parts kit
- Carry bags (8X only)

Options (see options sheet for details)

- Connector for changing coils
- Interchangeable search coils
 - 5", 10", 16", 18" and 8" x 48"
- Dual underwater earphones
- Boat-deployed coils
- 220vac charger
- Extra battery pack
- Land earphone (included with P8X)
- Carry bag (included with P8X)
- External battery charger - charge outside of housing



Pulse Detectors – General Information

Pulse induction detectors have had a major impact on underwater metal detecting. Their claim to fame is simple: they are very sensitive metal detectors that do not detect minerals (extreme concentrations may give some reading). Their sensitivity is excellent. The best hand held units, with a 7.5" coil, will detect coin size targets at 9-12 inches, and larger objects to over 6 feet. Our pulse detectors are able to achieve their high sensitivity on land or in fresh or salt water without detecting either the water or the minerals on the bottom.

Non-pulse detectors use compensation networks in a effort to reduce the effect of minerals on the detector. One manufacturer uses the motion technique which requires the coil to be constantly moving to detect anything. This gets rid of the mineral background only as long as the mineral background is of an even concentration. If it is not, false readings may result. When the target alarm goes off you are never quite sure if it is a real target or a false reading.

Discrimination - It sure sounds great

Discrimination attempts to ignore the trash and only detect the "good stuff". The fact is, discrimination also rejects many good targets and the detection range for all targets can be dramatically reduced. For these reasons we do not put discrimination on our detectors. Two examples of discrimination; In actual tests with a competitors' pulse detector using discrimination, the detection range for a coin went from 6" without discrimination to less than 3" with the discrimination. The manufacturer of a motion detector (non-pulse) held a seminar which was conducted by a professional treasure hunter who stated "I don't recommend using the discrimination control because **you just can't afford to miss a target**".