



# WEB Series 850

“Waterside Electronic Barrier”



The WESMAR WEB detects swimmers, underwater terrorists, and submersible intrusion vehicles with active searchlight sonars, arrayed in configurations specifically designed to protect vessels, harbors, oil facilities and other valued assets.

## The Series 850 Searchlight Sonar Solution



The Series 850 Cumulates 45 Years of Searchlight Sonar Development with 25 of these in Under Water Intruder Detection



The new Series 850 WEB incorporates the latest sonar technology into WESMAR's WEB underwater detection system.

### •Searchlight Sonar Solution

WESMAR's Searchlight Sonar technology utilizes a powerful, concentrated, sonar beam for high resolution detection of large and small targets. The system is capable of long range detection in shallow harbor waters, where competitive omni sonars have difficulty.

### •Stand-off Capability

Creates a barrier up to 9,000 feet from shore with the hard wire sensor version.

### •Multiple Sensors

With up to ten sensors, barrier can be extended as needed to cover your valuable assets.

### •Ready and Tested

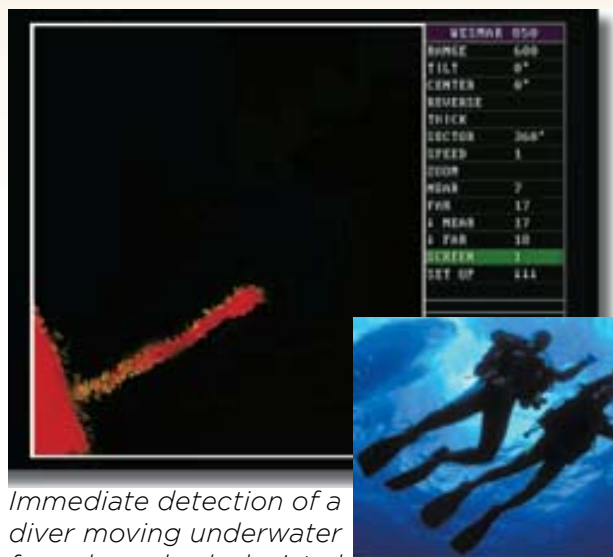
WESMAR's WEB is rugged, reliable, and tested. In one instance, the WEB was installed for three years of 24/7 continuous duty.

### •Easy to Deploy and Recover

The WEB system can be easily deployed by one or two operators, recovered, configured, and redeployed to meet a broad spectrum of protection needs.

### •Features

- Lightweight
- Rugged Durability
- Gyro-Stabilized Sonar Beam
- Compass for Continuous Orientation
- Single Coax Cable for Hard Wire Version
- Radio Link Version
- GPS Real Time Location of Radio Link Version



*Immediate detection of a diver moving underwater from shore clearly depicted by the powerful searchlight sonar beam.*



*The WESMAR WEB850 is a lightweight piece of equipment, allowing for effective protection, requiring few operators to configure and deploy.*

## WESMAR and Transas USA Inc.

### Teamwork for greater security and protection

WESMAR has teamed with Transas USA Inc., incorporating the WEB system into Transas' integrated security system, tying in the WEB's underwater protection with radar, camera, and infrared sensors.

## The Portable Series 850 WEB

### Easily Portable, Extremely Valuable Protection

- **Portable Security**

The WEB850 system is compact, easy to deploy and lightweight. For mission scenarios that require on-demand deployment, the portable security package is the perfect option. It includes a 1,000 foot power/communication cable, heavy-duty reel spool, mooring shackles, a 19" monitor, 12" sensor and 9" surface float, mounted in two durable Pelican boxes.



*Measuring in at approximately the size of a carry-on and a large piece of luggage, your entire WEB850 system is packed neatly inside.*

**Dimensions of cases:**

*Control Station Case: 32"W by 20.5"D by 12.5"T*

*WEB850 Sensor Case: 39"W by 23.5" by 21"T*



## The Response Link Option

### Increased Communication, More Rapid Response

- **Response Link**

Remotely link an onboard display with the WEB850. This allows the security/response vessel to see the same underwater target as the main control station and increases communication for rapid response. Paired with an MS3850 vessel system, response teams will have a quick, mobile system to identify and follow a target even if it moves outside a security zone.

# WEB 850 Series

## Specifications

Operating Frequency	110kHz
Pulse Width	Operator selectable from .05 to 40ms or automatically adjusted for range scale.
Vertical Beamwidth	5.2°
Horizontal Beamwidth	8.5°
Transducer Mounting Depth	Transducer is pressure compensated.
Maxium Cable Length	Standard cable operates to 2000 meters. Capable of distances in excess of 5000 meters with low-impedance cable.
Synchronization	Transmit cycles of multiple sensors may be synchronized by connecting consoles with RG-58 coaxial cable and selecting this menu option. Acoustic interference of same-frequency and potential “cross-talk” between adjacent sensors are eliminated.
Cable	Low-cost marine-grade coaxial cable carries all power, control signals, and sonar data utilizing Manchester II coding scheme.
Shallow Water Capability	The WEB has been used successfully in water depths as shallow as 4 meters.



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*The WEB850 is easily anchored by 50 or more pounds and held steady by a sensor buoy.*



#### PRODUCT WARRANTY

Commercial warranty and consumer limited warranty, disclaimer, and remedies. Seller warrants title, materials, and workmanship on equipment, except components manufactured by others for which seller assigns, as permitted, the original manufacturer's warranty. Seller's warranty period for all applicable express or implied warranties shall be ninety (90) days after installation or one (1) year after date of shipment to the original buyer, whichever time period expires first. Nonconforming equipment reported to seller during the applicable warranty period and returned to seller at buyer's expense and risk shall be repaired, or replaced at seller's option. If seller is unable or unwilling to repair or replace such reported and returned nonconforming equipment within a reasonable time, then buyer shall be entitled to a refund of the purchase price of the equipment as buyer's sole remedy. This paragraph sets forth buyer's exclusive remedies for nonconforming goods. This commercial warranty and consumer limited warranty is in lieu of all other warranties, express or implied, including design, course of dealing, merchantability, and fitness for a particular purpose.

**NOTE: LIMITATION OF SELLER'S COMMERCIAL AND CONSUMER LIABILITY.** Seller shall not be liable on any claim for loss of use, revenue, or profit, for injury, or for any other incidental or consequential damages, regardless of the basis for buyer's claim(s), including, but not limited to, the law of contract, warranty, or tort. In no case shall seller's liability on any claim(s) exceed the amount paid to seller for the purchased goods.