

4125-SAR

SEARCH & RECOVERY (SAR) SIDE SCAN SONAR SYSTEM

FEATURES

- Designed and Packaged for Law Enforcement and SAR Missions
- Ultra high resolution images
- Lightweight for one person deployment
- Easy to setup and operate
- Runs on AC or DC
- Optional quick change tow bracket for ship hull inspections
- Extremely rugged construction
- Stainless steel tow fish
- Dual simultaneous transmit and receive
- WiFi or hard-wire topside/ laptop connection options
- 24/7 support
- 3 year warranty

APPLICATIONS

- Search and Recovery
- Port Security
- Hull Inspections

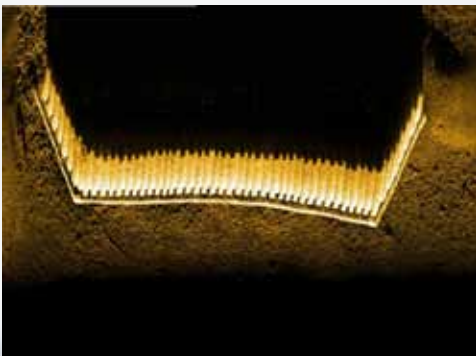


EdgeTech's 4125-SAR side scan sonar system is a 600/1600 kHz dual simultaneous frequency system designed specifically for search and recovery (SAR) applications. The system provides an excellent combination of long range search capability and ultra high resolution images for detection of very small objects. EdgeTech's dual simultaneous transmit and receive operations enhance the potential for sonar target shadowing and therefore improves successful search and recovery operations. Additionally, it allows operators to run lower frequency on larger ranges to see possible targets on sequential track lines during search operations.

EdgeTech's 4125-SAR system is rugged, portable, easy-to-use, and provides ultra high resolution underwater imagery. The 4125 utilizes EdgeTech's Full Spectrum® CHIRP technology, which provides higher resolution imagery at ranges up to 50% greater than other systems in the market. This translates into more accurate results and faster surveys, both critical components of SAR missions.

The system can be powered by both AC and DC for added versatility and is delivered in portable rugged cases for ease of transport from site-to-site. As is standard with all of EdgeTech's towed side scan systems, the 4125 comes with a safety recovery system which will prevent the loss of a towfish if it becomes snagged on an obstacle during a survey. EdgeTech's easy-to-use Discover acquisition software is included with the system as standard and includes both Target Logger and Coverage Mapper modules.

A standard 4125-SAR system comes with a Portable Splashproof Topside Interface, DISCOVER Side Scan Sonar Acquisition and Processing Software, 600/1600 kHz Dual Simultaneous Frequency Stainless Steel Towfish, 30 Meter Tow Cable and 100 Meter Tow Cable, GPS Receiver and Rugged Portable Transport Cases. Optional items include a depth sensor, depressor wing, keel weight, hull scan bracket, power winch, hand reel and fully ruggedized laptop computer.



Sonar image of bridge footings

For more information please visit EdgeTech.com

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KEY SPECIFICATIONS

SONAR	
Frequencies (Dual Simultaneous)	600/1600 kHz towfish
Pulse Type	EdgeTech's Full Spectrum® CHIRP
Operating Range	120m @ 600 kHz, 35m @ 1600 kHz
Horizontal Beam Width	0.33° @ 600 kHz, 0.20° @ 1600 kHz
Vertical Beam Width	50°
Resolution Across Track	600 kHz: 1.5 cm, 1600 kHz: 0.6 cm
TOWFISH	
Material	Stainless Steel
Diameter	9.5 cm (3.75 inches)
Length	112 cm (44 inches)
Weight in Air	20 kg (44 pounds)
Optional Sensors	Pressure (Depth)
Depth Rating	200m
Tow Cable	30m and 100m Kevlar cable included
SPLASH-PROOF TOPSIDE PROCESSOR	
Power Input	12-24 VDC or 115/230 VAC, 50/60 Hz
Connections	AC, DC, Ethernet (to laptop), Towfish
Hardware (optional)	Laptop Computer (Optional: Splash Proof/Ruggedized Laptop)
Operating System	Windows® 7 or 10
Acquisition Software	EdgeTech DISCOVER
SYSTEM OPTIONS	
Quick change tow bracket for ship hull inspections, keel weight, v-fin depressor wing, pole mount	



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