

# 4125

## SEARCH & RECOVERY SIDE SCAN SONAR SYSTEM

### FEATURES

- Ultra high resolution for easy identification of targets
- Lightweight for one person deployment
- Choice of either a 400/900 kHz or 600/1600 kHz dual simultaneous frequency towfish
- Standard heading, pitch, roll and depth sensors
- Runs on AC or DC
- Sets up in minutes and is easy to operate
- Optional quick change tow bracket for ship hull inspections

### APPLICATIONS

- Search and Recovery
- Port Security
- Hull Inspections
- Channel/Clearance Surveys
- Mine Countermeasures (MCM)



EdgeTech's 4125 Side Scan Sonar is a very high frequency system that produces ultra high resolution imagery ideal for search & recovery and small target identification applications. The 4125 utilizes EdgeTech's Full Spectrum® CHIRP technology which provides higher resolution imagery at ranges 20-30% greater than non-CHIRP systems. This translates into more accurate results and faster surveys, thus cutting down on costs.

The 4125 was designed with the search and recovery community in mind as a system that is easy to setup and operate, and one that will provide picture-like imagery for easier identification of targets.

The 4125 towfish is lightweight and can easily be deployed by one person from a small boat. The system can be powered by both AC and DC for added versatility and is delivered in portable rugged cases for 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 job.

A 4125 system comes standard with the choice of a lightweight dual simultaneous frequency towfish (either 400/900 kHz or 600/1600 kHz) and a portable water resistant topside processor including a splashproof laptop computer running EdgeTech's easy to use DISCOVER software. A 50m tow cable is included as standard with additional lengths also available.



For more information please visit [EdgeTech.com](http://EdgeTech.com)

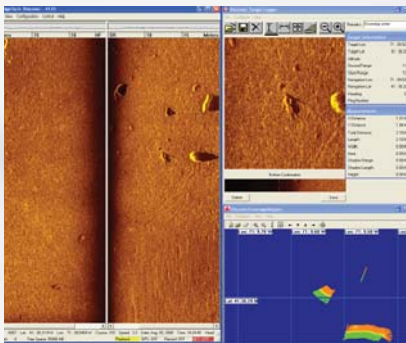
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## SEARCH & RECOVERY SIDE SCAN SONAR SYSTEM

### KEY SPECIFICATIONS

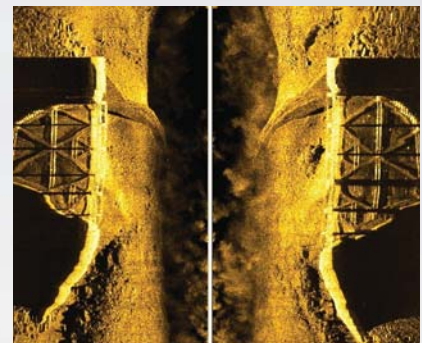
SONAR	
Frequencies (Dual Simultaneous)	Choice of either a 400/900 kHz or 600/1600 kHz towfish
Pulse Type	EdgeTech's Full Spectrum® CHIRP
Operating Range	150m @ 400 kHz, 75m @ 900 kHz; 120m @ 600 kHz, 35m @ 1600 kHz
Horizontal Beam Width	0.46° @ 400 kHz, 0.28° @ 900 kHz; 0.33° @ 600 kHz, 0.20° @ 1600 kHz
Vertical Beam Width	50°
Resolution Across Track	400 kHz: 2.3 cm, 900 kHz: 1.5 cm, 600 kHz: 1.5 cm, 1600 kHz: 0.6 cm
TOWFISH	
Material	Stainless Steel
Diameter	9.5 cm (3.75 inches)
Length	97 cm (38 inches)
Weight in Air	15 kg (34 pounds)
Tow Cable	50 meter Kevlar cable included, additional lengths available
Standard Sensors	Roll, Pitch, Heading, Depth
Depth Rating	200 meters
SPLASHPROOF TOPSIDE PROCESSOR	
Power Input	12-24 VDC or 115/230 VAC, 50/60 Hz
Connections	AC, DC, Ethernet (to laptop), Towfish
Hardware	Ruggedized splashproof laptop
Operating System	Windows® XP



KEY SPECIFICATIONS DROWNING VICTIM



KEY SPECIFICATIONS SHIP HULL SCAN



KEY SPECIFICATIONS HURRICANE GATE

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