

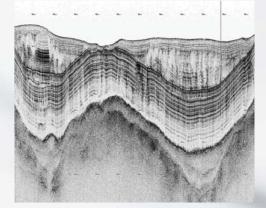
3100 PORTABLE SUB-BOTTOM PROFILING SYSTEM

FEATURES

- Portable
- Low power requirement (runs on AC or DC)
- Choice of towfish depending on the application
- Pole mount option for shallow water surveys
- · Easy to setup and operate

APPLICATIONS

- Geological Surveys
- · Geohazard Surveys
- Buried Object Location
- Mining/Dredging Surveys
- Bridge/Shoreline Scour Surveys
- Pipeline and Cable Location





The 3100 is EdgeTech's portable version of their highly successful subbottom profiler product line. The system utilizes EdgeTech's Full Spectrum CHIRP technology which provides higher resolution imagery of the sub-bottom structure and greater penetration.

The 3100 is ideally suited for use in rivers, lakes, ponds and shallow water ocean applications up to 300m max depth. The system was designed for customers that require a portable system that can be used from smaller boats while not wanting to sacrifice image quality.

A 3100 system comes with a choice of two towfish; either the SB-424 or SB-216S. These towfish operate at different frequency ranges and selection between the two depends on the type of application. The 424 operates at 4-24 kHz and will provide slightly higher resolution but less penetration. The 216S operates at 2-16 kHz and provides slightly less resolution but greater penetration. Along with a towfish, the 3100 system comes with a portable splash-proof topside processor with laptop computer running EdgeTech's DISCOVER software for display of the sonar data. The system comes standard with a 35m tow cable with customer-specified lengths also available.

For more information please visit EdgeTech.com



3100 PORTABLE SUB-BOTTOM PROFILING SYSTEM

KEY SPECIFICATIONS

TOWFISH		SB- 216S		SB- 424
Frequency Range		2-16 kHz		4-24 kHz
Vertical Resolution (depends on pulse selected)		6-10 cm	Ē	4-8 cm
Penetration				
In coarse calcareous sand		6m	Ē	2m
In clay		80m		40m
Size			Ē	
Length		105 cm		77 cm
Width		67 cm	Ē	50 cm
Height		40 cm		34 cm
Weight in Air		76 kg	Ē	45 kg
Weight in Water		32 kg		18 kg
Max Depth Rating of Towfish		300 meters		
TOPSIDE PROCESSOR				
Hardware	Rugged, portable splashproof enclosure			
Operating System	Windows XP			
Display	Splashproof semi-rugged laptop			
Archive	DVD-R/W			
File Format	SEG-Y			



SB-216S TOWFISH



ISB-424 TOWFISH

For more information please visit EdgeTech.com

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