



# SWALE OCEANOGRAPHIC



## Sub-Bottom Profiler

The Z-TAM series of Sub-Bottom Profilers produce high resolution images of the sub bottom stratigraphy of oceans, lakes, and rivers, etc. They use wide-band frequency including Chirp technology. There are a choice of three towfish, which operate at different frequencies, and the system includes a topside processor (with Z-TAM Pro software to display the sonar data acquisitions) and a customer specified length of tow cable.



### Applications

- Stratigraphy Surveys
- Mine Hunting
- Geo-Hazard Surveys
- Pipeline & Cable Location
- Sediment Classification
- Dredging Surveys

### Specifications

Frequency	10 - 20kHz		2 - 7kHz
Number of Transducers	1	1	4
Pulse Type	FM(Chirp / CW		
Pulse Length	2ms - 200ms		
Vertical Resolution	≥7.5cm		≥15cm
Beam Width(@-3dB)	17°	90°	30°
Penetration	2m (sand) 40m (mud)	5m (sand) 80m (mud)	10m (sand) 120m (mud)
Input Power (Max.)	4000W	750W	3000W
Operating Depth	Max 400m		
Tow Speed	Max 8 knots		
Tow Cable	Kevlar Coaxial 14.0mm, Reel with slip Ring		
Option	Armoured Coaxial Cable		
Size (Length)	1,100mm	1,000mm	1,500mm
Size (Diameter)	610mm	600mm	700mm
Weight	90kg	35kg	90kg
Topside Unit Size	480mm(W) x 460mm(D) x 170mm(H)		
Topside Weight	< 16kg		
Topside Input Power	110~240 VAC, 50/60Hz		
Output	Ethernet LAN, RS232		
Options	19" Rack-mount design, Portable case design		

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