


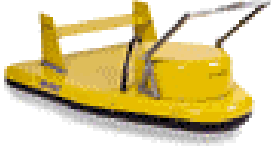


SUB-BOTTOM PROFILER SB-216S

	
Tow Fish Model	SB-216S
Frequency Range	2-16kHz
Pulse Type	FM
Pulse Bandwidth	2-15 kHz 2-12 kHz 2-10 kHz
Pulse Length	20 msec
Calibration	Calibrated to generate a pulse spectrum that has a Gaussian shape
Vertical Resolution ¹	6 cm, 2-15 kHz 8 cm, 2-12 kHz 10 cm, 2-10 kHz
Penetration (typical) Coarse	6 m
Penetration soft clay ²	80 m
Beam Width -3dB down (depending on the center)	17°, 2-15 kHz 20°, 2-12 kHz 24°, 2-10 kHz
Optimum Towfish pitch/roll (depending on the selected)	<7.0°, 2-15 kHz <8.0°, 2-12 kHz <10°, 2-10 kHz
Optimum Tow Height	3-5 m above seafloor
Transmitters	1
Receive arrays	2
Output power	2000 W
Size (cm)	105L x 67W x 46H
Dry-Weight	72 kg – 160 lb
Cable Requirements	3 shielded twisted pairs
Notes	300 m maximum water depth



SUB-BOTTOM PROFILER SB-0512i

	
Tow Fish Model	SB-0512i
Frequency Range	0.5-12 kHz
Pulse Type	FM & WB (Wide Band)
Pulse Bandwidth / Pulse Length	0.5-8.0 kHz / 5 msec FM 0.5-2.7 kHz / 40 msec WB 0.5-6 kHz / 20 msec WB 0.5-4_5 kHz / 50 msec FM 0.5-6 kHz / 9 msec FM 0.5-6 kHz / 18 msec FM 0.5-7_2 kHz / 30 msec FM 0.7-12 kHz / 20 msec FM 2.0-12 kHz / 20 msec FM
Pulse Length	See above
Calibration	Calibrated to generate a pulse spectrum with a Gaussian and
Vertical Resolution ¹	19 cm, 1-5 kHz 12 cm, 1.5-7.5 kHz 8 cm, 2-12 kHz
Penetration (typical) Coarse and calcareous sand ²	30 m
Penetration soft clay ²	250 m
Beam Width –3dB down (depending on the center frequency)	41°, 0.5-5 kHz 32°, 1-6 kHz 24°, 1.5-7.5 kHz 16°, 2-12 kHz
Recommended Towfish pitch/roll (depending on the selected Pulse)	<16°, 0.5-5 kHz <13°, 1-6 kHz <10°, 1.5-7.5 kHz <10°, 2-8 kHz <8°, 2-10 kHz <7°, 2-12 kHz
Optimum Tow Height	3-5 m above seafloor
Transmitters	2
Receive arrays	4
Output power	2000 W
Size (cm)	210L x 134W x 46H
Dry-Weight	186 kg – 410 lb
Cable Requirements	3 shielded twisted pairs
Notes	300 m maximum water depth