SEAMAP
A MIND Technology Business

SEAMAP SEALINK™ SOLID STREAMER

HIGH CHANNEL DATA ACQUISITION

Seamap's SeaLink Solid Streamer active sections are available to work in tandem with the SeaLink 3840 Recording system and the SeaLink 24 Digital Module and 24 Channel Tension Modules. The SeaLink Solid Streamer is the first streamer to incorporate real time passive flow noise reduction by utilising the properties of the PVDF Thin Film Technology to create a multiple sensor configuration where flow noise is sensed independently from acoustic energy. Seamap's patented technology is combined with the acoustic output in such a way as to significantly mitigate unwanted noise due to flow while preserving acoustic amplitude and phase.

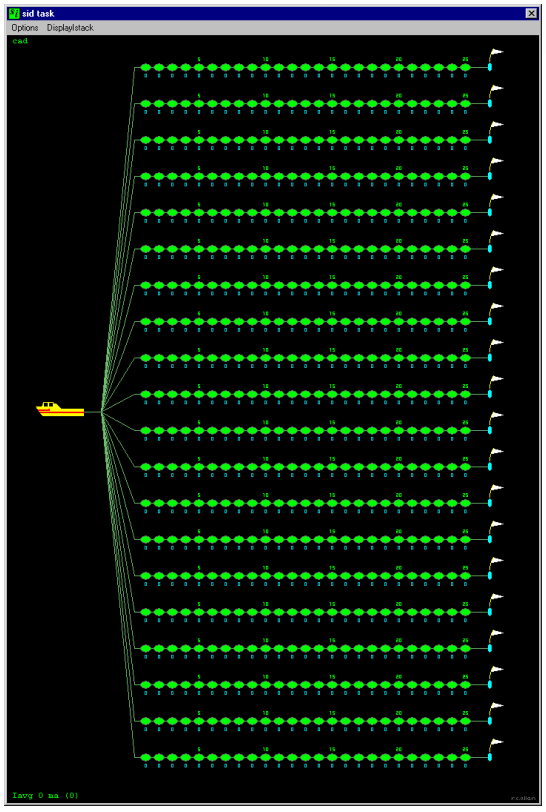
The Solid Streamer active section incorporates Seamap's patented Active Flow Noise Canceling Hydrophones for significantly higher overall signal to noise ratio. Low stretch high modulus center stress member, torque balanced core cable design, and robust flotation all provide a uniquely stable and resilient solid streamer design. Coupled with Passive Flow Noise Canceling Hydrophones, Seamap's Solid Streamer package provides unmatched performance and durability in the industry. All sections are equipped with the SeaLink connector tie off adapter.

Key Features:

- Rugged, Reliable & Durable
- Bi-Directional Sections
- High Channel Capacity (3,840)
- Fewer Connections and Components
- Proven Technology
- Simple to Handle
- Easy to Operate
- Reduced Bend Diameter (For storage)

Applications:

- Marine 2D / 3D / 4D Seismic
- High Resolution Seismic
- 2D Ultra High Resolution Seismic
- HR3D Ultra High Resolution Seismic
- Up to 15km Active Lengths



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Specifications:

SeaLink Solid Streamer	
Coupling Connectors	56 Contact Circular Female Connectors
Construction	Center Stress Core Cable with PU/ microsphere flotation over-mold
Overall Diameter	1.95 ± 0.015" Nominal OD
Minimum Over-mold Thickness	0.1875 ± 0.010" (0.630 ± 0.025cm)
Chassis Length	487.58 ±0.16 ft (149.526 ±0.050 m) 487.59 @ 1000 lbs. tension est.
Load - Absolute Maximum	Twaron Stress Member 100kN (22,500 lbs / 10,206 kg) est.
Load - Operational Maximum	30kN (6,744 lbs / 3,059kg) est.
Minimum Bend Radius	50cm (static)
Flotation Material	Solid with 3M .024sg microsphere shore, A40 400% elongation est.
Center Stress Member	1 x Kevlar, Twaron, or Xylon 2.5% max elongation at break
Section Weight (150 meters)	683.83 lbs (289.013 Kg) est.
Section Weight (75 meters)	317.92 lbs (144.5 Kg) est.
Section Weight (37.5 meters)	158.96 lbs (72.25 Kg) est.
Buoyancy	All sections are neutral in fresh water Section sg= 1 g/cc)
Ballast Technique	Distributed ballast Seamap weights optional
Conductors - Auxiliary	3 x 22AWG Stranded Tinned Copper Twisted Pair w/PP Insulation
Conductors - Hydrophone Arrays	26 x 24AWG Stranded Tinned Copper Twisted Pair w/PP Insulation
Conductors - Power	4x 20AWG Stranded Tinned Copper w/PVC Insulation Round Trip 4.65W
Conductors - Telemetry	8x 22AWG Stranded Tinned Copper w/PVC Insulation Operating Voltage

Capacitance – 1 Phones	Nominal for Point Receiver 17nF ± 5%
Configurations (Conventional) **12 Ch @ 9.375m & 24Ch @ 18.5m** **12 Ch @ 18.75m & 24Ch @ 37.5m** **12 Ch @ 37.5m & 24Ch @ 75m** **12 Ch @ 75m & 24Ch @ 150m** **12 Ch @ 150m** **Configurations (Engineering)** **12 Ch @ 6m & 24Ch @ 12m** **12 Ch @ 12m & 24Ch @ 24m** **12 Ch @ 24m & 24Ch @ 48m** **12 Ch @ 48m & 24Ch @ 96m**	 1 X .78125m Hydrophone 1 X 1.5625m Hydrophone 2 X 3.125m Hydrophone Groups 4 X 6.25m Hydrophone Groups 4 X 12.5m Hydrophone Groups 1 X .5m Hydrophone 1 X 1m Hydrophone 1 X 2m Hydrophone 1 X 4m Hydrophone Exportable Hydrophone Groups When required under exportable regulations.
Coupling Type	Hydrophone Outputs Direct Coupled in Parallel Via a Balanced Twisted Pair
Hydrophone Type	PVDF Polymer with Passive Flow Noise Canceling Patent USPTO # 9507041, 9256001, 9207341, 8695431 Including an exportable version
Group Interval	.78125m, 1.5625m, 3.125m, 6.25m and 12.5m (Conventional) .5m, 1m, 2m, 4m (Engineering)
Sensitivity	-195dB Volts re 1µPa ± 1.0dB @ 126Hz 22uV/uB
Sensitivity vs. Frequency	+/- 1.5db from 1 to 8000 Hz
Acceleration	-70dB re Volt/g
Sensitivity vs Temperature	<1dB Over Operating Range
Depth Rating **Operational Depth:** **Depth Capability:** **Destruct Depth:** **Non Recoverable Depth:** **Buoyancy Change With Depth:**	 0 - 50 meters 50 - 100 meters >100 meters, potential irrecoverable loss of performance >300 metres, very likely irreparable damage 0 – 100 meters, negligible
Custom Designs and Customising Array Sections Are Available Upon Request	

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