



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 flow noise reduction by utilizing the properties of our patented Poly Vinylidene Fluoride (PVDF) Thin Film Polymer hydrophone to create flow noise reduction 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.

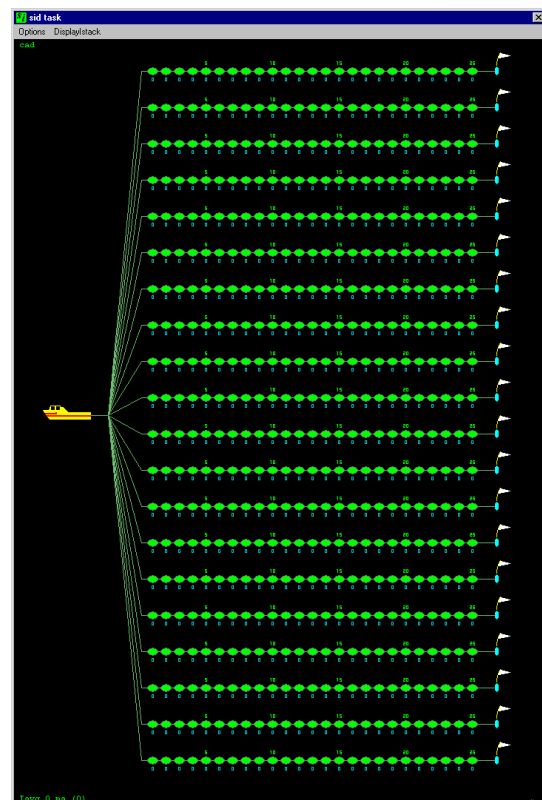
The Solid Streamer active section incorporates Seamap's patented (PVDF) Hydrophones for significantly higher overall signal to noise ratio. The low-stretch, high-modulus, torque-balanced center stress member with our proprietary core cable and robust flotation all provides a uniquely stable and resilient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

### Key Features:

- Rugged, Reliable & Durable
- Bi-Directional Sections
- High Channel Capacity (1,920 Channels, Option up to 3,840 Channels)
- 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
- UHR3D Ultra High Resolution Seismic
- Up to 15km Active Lengths



# SEAMAP SEALINK SOLID STREAMER



## HIGH CHANNEL DATA ACQUISITION

### Specifications:

SeaLink Solid Streamer			
<b>Coupling Connectors</b>	56 Contact Circular Female Connectors	<b>Capacitance – 8 Phones</b>	Nominal for Baseline Array 0.143µF ± 5%
<b>Depth – Absolute Maximum</b>	100 meters, some loss of performance (non-permanent)	<b>Configuration</b> <b>12 Ch @ 9.375m &amp; 24Ch @ 18.5m</b> <b>12 Ch @ 18.75m &amp; 24Ch @ 37.5m</b> <b>12 Ch @ 37.5m &amp; 24Ch @ 75m</b> <b>12 Ch @ 75m &amp; 24Ch @ 150m</b> <b>12 Ch @ 150m</b>	1 or 2 X .78125m Hydrophone 2 X 1.5625m Hydrophone Groups 2 X 3.125m Hydrophone Groups 4 X 6.25m Hydrophone Groups 8 X 12.5m Hydrophone Groups
<b>Depth - Operational Maximum</b>	0 - 50 meters, no loss of performance		
<b>Non-Recoverable Depth</b>	>300 metres, very likely irreparable damage		
<b>Construction</b>	Center Stress Core Cable with PU/ microsphere flotation over-mold		
<b>Overall Diameter</b>	1.95 ± 0.015" Nominal OD	<b>Ultra High-Resolution Configurations</b> <b>12 Ch @ 6m &amp; 24Ch @ 12m</b> <b>12 Ch @ 12m &amp; 24Ch @ 24m</b> <b>12 Ch @ 24m &amp; 24Ch @ 48m</b>	1 X 0.5m Hydrophone 1 or 2 X 1m Hydrophone 2 X 2m Hydrophone Groups  Exportable Hydrophone Groups When required under exportable regulations.
<b>Minimum Over-mold Thickness</b>	0.1875 ± 0.010" (0.630 ± 0.025cm)		
<b>Chassis Length</b>	487.58 ±0.16 ft (149.526 ±0.050 m) 487.59 @ 1000 lbs. tension est.		
<b>Load - Absolute Maximum</b>	Twaron Stress Member 100kN (22,500 lbs / 10,206 kg) est.		
<b>Load - Operational Maximum</b>	30kN (6,744 lbs / 3,059kg) est.	<b>Coupling Type</b>	Hydrophone Outputs Direct Coupled in Parallel Via a Balanced Twisted Pair
<b>Minimum Bend Radius</b>	75.5cm (With Module Installed)	<b>Hydrophone Type</b>	Poly Vinylidene Fluoride (PVDF) Thin Film Polymer Patent USPTO # 9507041, 9256001, 9207341, 8695431 Including an exportable version
<b>Flotation Material</b>	Solid with 3M .024sg microsphere shore, A40 400% elongation est.	<b>Group Interval</b>	(0.5m, 1m, 2m) .78125m, 1.5625m, 3.125m, 6.25m and 12.5m
<b>Center Stress Member</b>	1 x Kevlar, Twaron, or Xylon 2.5% max elongation at break	<b>Acoustic Aperture</b>	0.5m spacing - Point Receiver 1m spacing - Point Receiver 2m spacing - Point Receiver .78125m spacing - Point Receiver 1.562m spacing - Point Receiver 3.125m spacing @ 4.5" (11.43cm) 6.25m spacing @ 13.5" (34.29cm) 12.5m spacing @ 31.5" (80.01cm)
<b>Section Weight (150 meters)</b>	683.83 lbs (289.013 Kg) est.	<b>Sensitivity</b>	-195dB Volts re 1µPa ± 1.5dB @ 126Hz 22uV/uB
<b>Section Weight (75 meters)</b>	317.92 lbs (144.5 Kg) est.	<b>Sensitivity vs. Frequency</b>	+/- 1.5db from 1 to 8000 Hz
<b>Section Weight (37.5 meters)</b>	158.96 lbs (72.25 Kg) est.	<b>Acceleration</b>	70dB Volts/g (1mVg/g) at 20Hz
<b>Buoyancy</b>	All sections are neutral in freshwater Section sg= 1 g/cc)	<b>Sensitivity vs Temperature</b>	<1dB Over Operating Range
<b>Buoyancey Changes with Depth</b>	0 – 100 meters, negligible	<b>Element spacing within group</b>	4.5" (11.43 cm)
<b>Ballast Technique</b>	Distributed ballast Seamap weights optional	<b>Custom Designs and Customising Array Sections Are Available Upon Request</b>	
<b>Conductors - Auxiliary</b>	3 x 22AWG Stranded Tinned Copper Twisted Pair w/PP Insulation		
<b>Conductors - Hydrophone Arrays</b>	26 x 24AWG Stranded Tinned Copper Twisted Pair w/PP Insulation		
<b>Conductors - Power</b>	4x 20AWG Stranded Tinned Copper w/PVC Insulation Round Trip 4.65W		
<b>Conductors - Telemetry</b>	8x 22AWG Stranded Tinned Copper w/PVC Insulation Operating Voltage		

#### Seamap (U.K.) Ltd.

Unit 34, The Maltings, Charlton Estate  
Shepton Mallet, Somerset, BA4 5QE, U.K.  
Tel: +44 [0] 1749 342223  
Fax: +44 [0] 1749 347588  
email: seamapsales@mind-technology.com

#### Seamap Pte Ltd.

51 Changi North Crescent  
Singapore 499626  
Tel: +65 6545 1054  
Fax: +65 6545 0585

#### MIND Technology

2002 Timberloch Place, Suite 550  
The Woodlands, TX 77380  
United States of America  
Tel: +1 281-353-4475



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