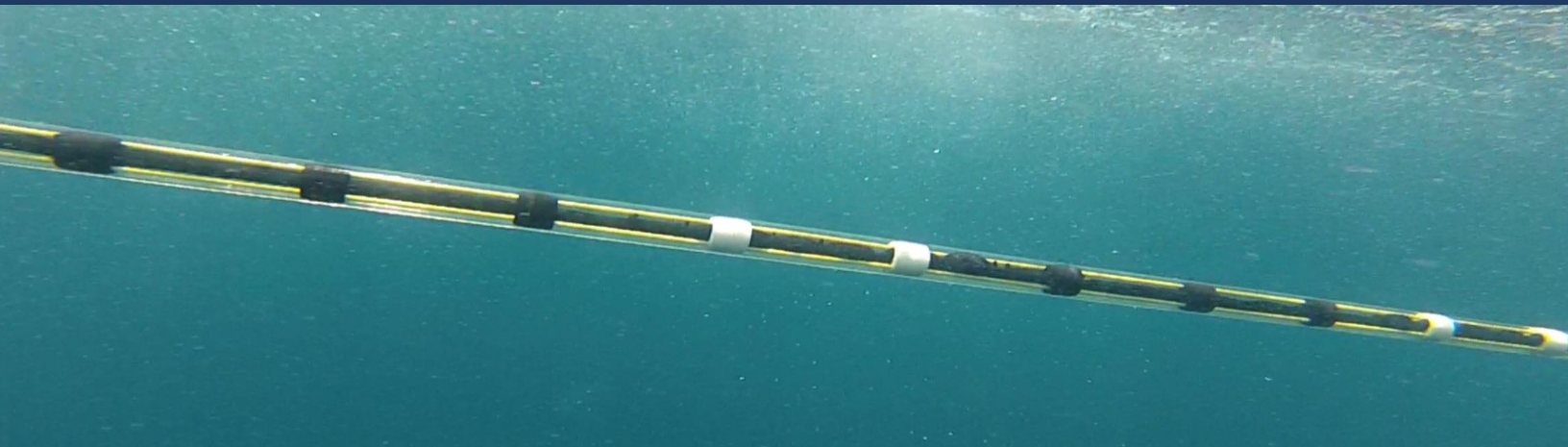


Geo Sense – Multi Channel Streamers

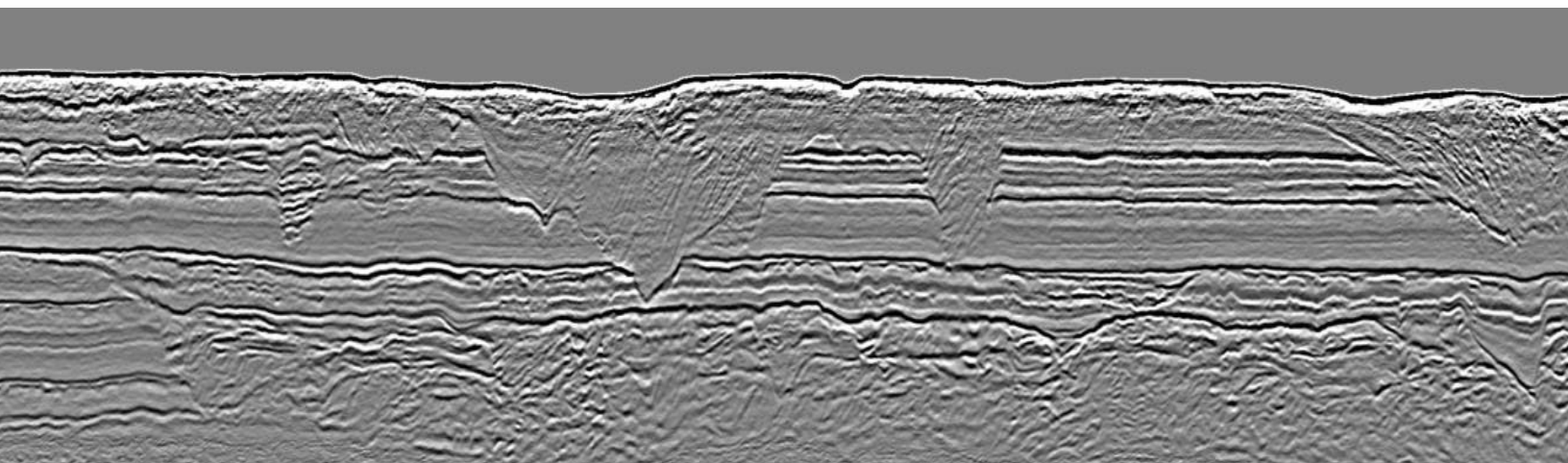


GEO-SENSE MULTICHANNEL STREAMERS

Geo Sense Technology multi-channel streamer are dedicated to high and ultra-high resolution marine seismic using broad spectrum hydrophones (1 Hz – 10 kHz). Three multi-channel models are available: Ultra-Light Weight (26 mm diameter) for up to 24 channels, Light Weight (42 mm diameter) for up to 48 channels and Standard (52 mm) for up to 96 channels.

Key Features:

- Oil or Gel filled sections
- Small diameter and small bending radius
- Specially designed with short group spacing for UHR seismic
- Customizable design to match customer's requirements
- Compatible with manual Cable Reel or Electrical winches



Geo Sense – Multi Channel Streamers

Model	Geo Sense Multichannel	
Diameter	Ultra-Light Weight (ULW):	36 mm
	Light Weight (LW):	42 mm
Number of Channels	Up to 24 (ULW)	
	Up to 48 (LW)	
Group Interval	1 m, 2 m or 3.125 m	
Hydrophone per group	1 (one) to 3 (three)	
Manual Cable Reel	Footprint: 80 x 120 cm	
	Weight: 150 kg (excluding streamer)	
	Slipring Integrated	



Model	Geo Sense Multichannel	
Diameter	Light Weight (LW):	42 mm
	Standard:	51 mm
Number of Channels	Up to 48 (LW)	
	Up to 96 (Standard)	
Group Interval	1 m, 2 m, 3.125 m or 6.25 m	
Hydrophone per group	1 (one) to 12 (twelve)	
Electrical Winch	Footprint: 100 x 120 cm	
	Weight: 450 kg (excluding streamer)	
	Slipring Integrated	

Geo Sense – Multi Channel Streamers



HYDROPHONES

<i>Type</i>	AQ 2000 or Sensor
<i>Frequency Response</i>	1 Hz to 10,000 Hz \pm 3.0 dB
<i>Sensitivity</i>	201 dBV re 1 μ Pa @20°C
<i>Sensitivity Change vs. Frequency</i>	\pm 0.25 dB from 1Hz to 1 kHz
<i>Sensitivity Change vs. Frequency</i>	\pm 2.00 dB from 1 kHz to 10 kHz
<i>Sensitivity Change vs. Temperature</i>	< 0.03 dB per 1°C change
<i>Capacitance</i>	4.5 nF @ 20°C
<i>Number of Hydrophone per group</i>	1 (one) to 12 (twelve)

PRE-AMPLIFIER

<i>Type</i>	GEO, High Imp. – low noise
<i>Gain</i>	26 dB
<i>Size</i>	60 x 16 mm
<i>Ground reference</i>	Single ended
<i>Power</i>	9 – 12 VDC (polarity protected)
<i>High Pass</i>	-3 dB : 3 Hz
<i>Low-Pass</i>	-3 dB : 13 kHz
<i>ESD handling</i>	Conform IED 61000-4 norm

RECORDER

<i>Manufacturer</i>	Geo Marine Survey Systems
<i>Type</i>	Multi-Trace Recorder
<i>Specifications</i>	24-Bit sigma-delta A/D converter 112 dB dynamic range
<i>Auxiliary Channel</i>	Yes
<i>Compatible for 3D</i>	Yes

Geo Sense – Multi Channel Streamers



Applications and Typical Uses

- Offshore Wind Geophysical Site investigation
- Seismic Risk Assessment
- Engineering surveys
- Shallow Hazard Assessments
- Route and Cable surveys

Contact Us at:

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