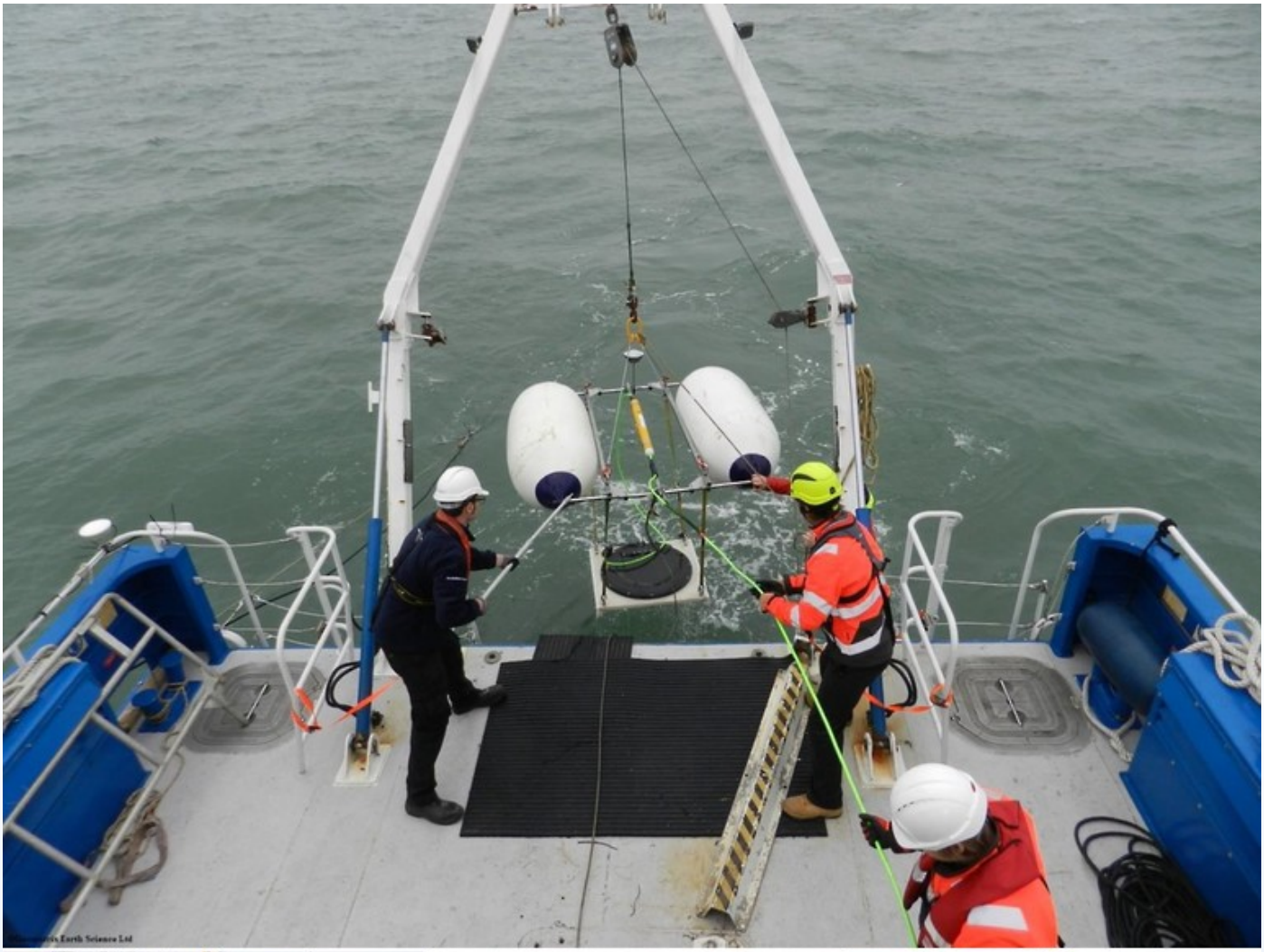
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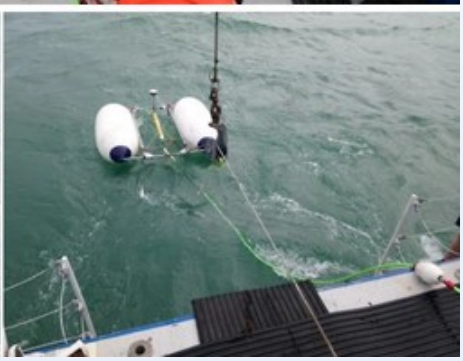
Bubble Pulser LF Data Sheet

The Bubble Pulser LF is a 0.7m diameter low frequency transducer plate for 2D and Ultra High Resolution marine seismic surveys, in particular Ground engineering and Geological mapping. With a 2Hz pulse repetition rate and high shot-to-shot wavelet fidelity, correlation >0.96, deconvolution can be performed with confidence and shots can be stacked for improved signal to noise.









Due to the unique electromechanical plate design the Bubble Pulser top end power supply can be run on a 2kVA 110 or 240VAC power supply. With such minimal power requirements it is easy to configure multiple LF plates into an

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array as an alternative to a small air gun source, without having to manage high pressure hoses or a compressor.

The top end power supply includes trigger timing and key-out for synchronising the recording system with the source pulse. Alternatively the source can be triggered via TTL for navigation controlled shots.

Features

- 2Hz pulse repetition rate
- Easy, simple, safe power supply
- Configurable as dual plate source
- High shot-to-shot correlation

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	168cm x 122cm x 114cm deployed	260kg

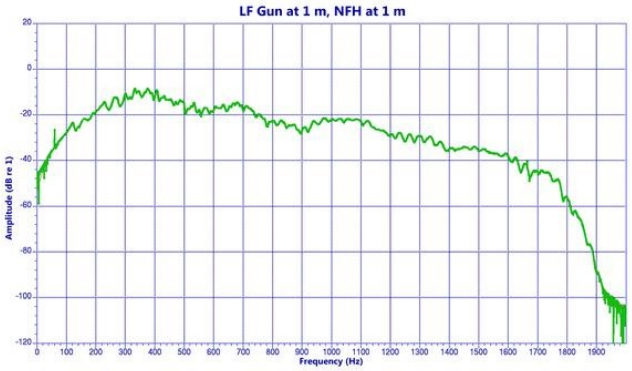
Technical Specifications

Source Type:	Electromechanical
AcousticSource Level:	Approximately +220 dB ref 1uPa @ 1 meter
Peak-to-Peak Amplitude:	Approximately 1 bar-m
Normalized Shot-to-Shot Cross Correlation:	Repeatable Shot-to-Shot Phase and Amplitude Wavelet Correlation > 0.96
Tow Cable:	100-meter abrasion resistant electro-mechanical cable
TriggerInput:	External key or manual time-based selection
Repetition Rate:	2Hz

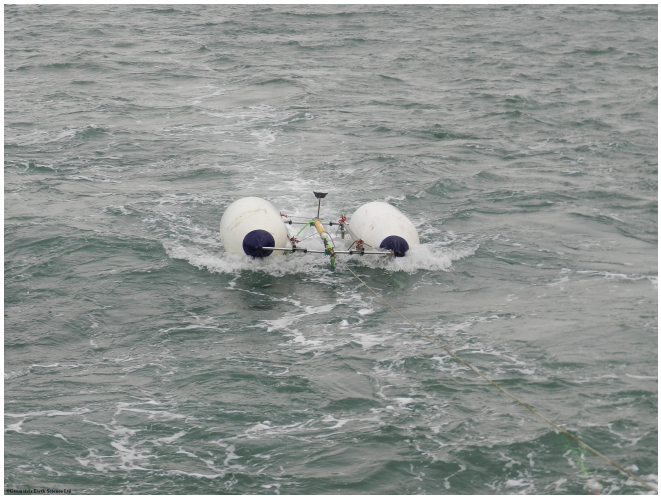
Gallery

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Bubble Pulser LF frequency spectrum



LF Bubble Pulser seismic source undertow with GPS mounted on central spar.



Preparing LF Bubble Pulser seismic source for deployment.

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