



: Technical Specification

S-Boom System

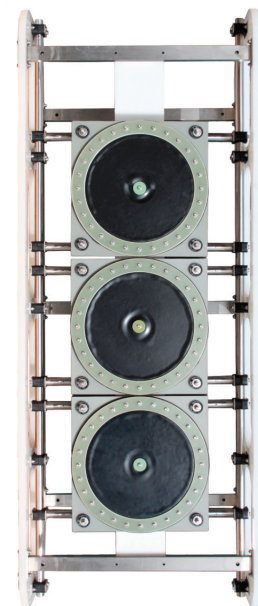
The S-Boom system is a high power hi-resolution repeatable sound source and when deployed with a CSP-S1250, the system can be operated at fast repetition rates.

The transmitted energy is focused by the array geometry to improve the directivity and beam pattern giving an improvement over traditional seismic sound sources.

Due to the frequency of operation and transmitted power levels the system can be used with both single and multi-channel streamer hydrophone arrays for high resolution geological surveys for construction, mapping, research and installation.



CAT 300



3 x AA202 BOOMER PLATES

S-BOOM SYSTEM COMPONENTS

- 1 x CAT 300
- 3 x AA202 Boomer Plates
- 1 x HV3000 Cable and Junction Box

Powered from a CSP-S1250 Seismic Source

S-BOOM PHYSICAL SPECIFICATION

CAT300 Catamaran

Length	1700mm
Height	490mm
Width	660mm Frame 876mm including floatation
Weight	60kg

AA202 Boomer Plate x3

Length	380mm
Width	380mm
Weight	18kg (Air) - 10kg (Water)
Connector Type	RMK with locking collar

HV3000 Cable

Breaking Strain	2000kg
Standard Length	50m, 75m (Length can be specified)

ELECTRICAL INPUT

Recommended Power	700 - 1000J per shot
Maximum Energy Input	1000J
Maximum Power Input	3000J / Second

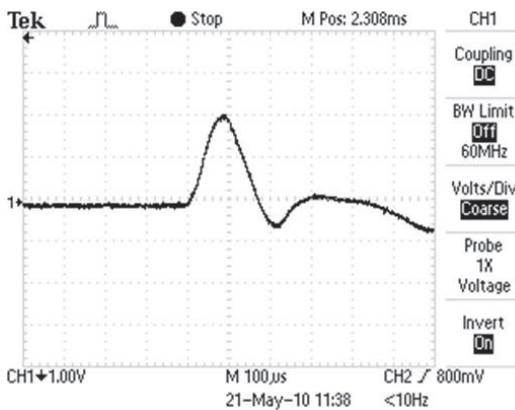
Thermal Interlock Protection interfaced to energy source

SOUND OUTPUT

Source Level	Typically 222dB re 1uPa at 2 meters with 1000J
Pulse Length	300 to 500uS depending upon energy applied
Reverberation	<10% of initial pulse

COMPATIBILITY

Energy Source	CSP-S1250*
Catamaran	CAT 300
Cable	HV3000



Sample Pulse at 1000J

* Other CSP Series of power supplies can be used.



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