



: Technical Specification

Delta Sparker

The Delta Sparker is the most powerful sparker available in the range and is intended for higher penetration sub-bottom profiling and thus offers a lower frequency sound pulse.

Stable under tow, the frame is buoyed and is easily deployed.

The design incorporates a simple adjustment for optimum array depth, to achieve the best possible pulse shape.

As a multi-tip sparker array, the Delta can also be used in UHR multi-channel seismic surveys utilising 24 or 48 channel streamers such as during geohazard assessment, construction projects or shallow target 2D exploration.

Different sparker tips, single or multiple arrangements, can be used to increase resolution or penetration as required.

The tips are easily replaceable for simple field maintenance.



Delta Sparker Pulse



Delta Sparker

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PHYSICAL SPECIFICATION

Dimensions	2550 mm long x 350 mm wide x 250 mm high
Weight	50 kg approximately
Material	Stainless Steel
Buoyancy	2 x floats
Depth of tow	adjustable
(Can be split into two for easier shipping)	

ELECTRICAL SPECIFICATION

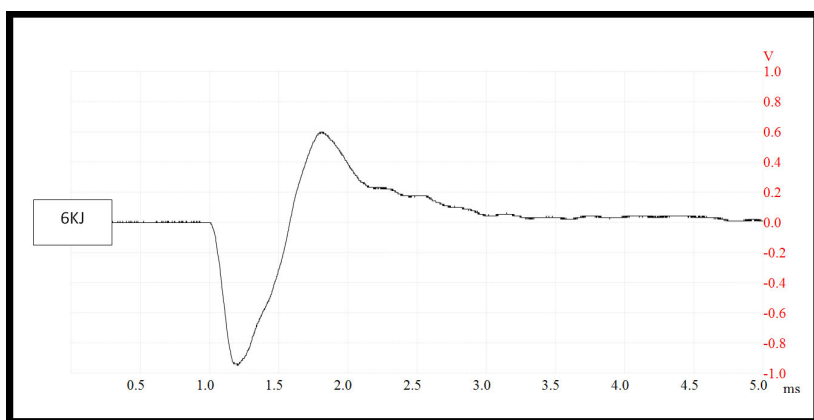
Recommended Power	1500J - 12,000J
Maximum Energy Input	12,000J
Operating Voltage	3000 - 4000 volts
HV Cable type	AAE HV 'Squid' Cables

SOUND OUTPUT

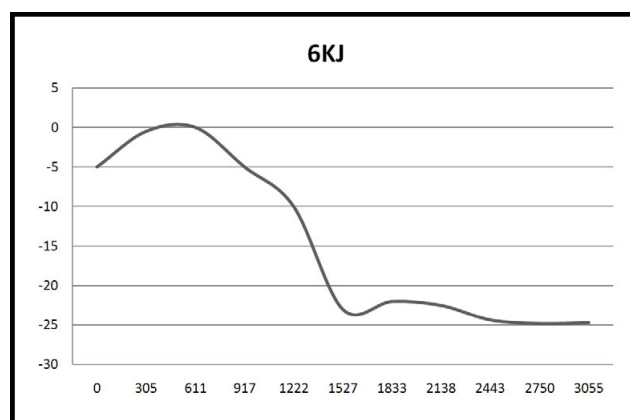
Source Level	226 dB typical at 6000J
Frequency range	300 Hz to 5 kHz
Pulse Length	0.3 - 5 mS. Dependent on tips and power input
Penetration	800 mS achieved
Number of tips	1 - 6 or 16 -96

COMPATIBILITY

Energy Source	CSP-D to 2400J
	CSP-S to 12,000J



TYPICAL PULSE SIGNATURE FROM THE DELTA SPARKER AT 6000J



TYPICAL PULSE FREQUENCY SPECTRUM FROM DELTA SPARKER AT 6000J



Registration No. U6447
BS: EN: ISO9001