



Delta Sparker Seismic Sound Source



Key Features

- Powerful sparker for deep penetration surveys
- Compatible with CSP-S12000
- 2.5m triangular tow frame, supplied with buoys
- Tow depth can be adjusted
- Replaceable electrodes for easy field maintenance

The **Delta Sparker** is the most powerful sparker available in the Applied Acoustics' range and is intended for deeper penetration sub-bottom profiling.

As a multi-tip sparker array, the Delta can 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.

Technical Specification

PHYSICAL

Dimensions	2550mm (L) x 350mm (W) x 250mm (H) (can be split in two for ease of shipping)
Weight	50kg approx
Frame material	Stainless steel
Buoyancy	FA6 floats x 2
Depth of tow	Adjustable
Connector	RMK 1/0 complete with locking collar

ELECTRICAL INPUT

Recommended energy	1500 – 12,000J/shot
Maximum energy	12,000J/shot

Delta Sparker Technical Specification

Operating voltage	3000-4000V
Number of tip locations	3 (yellow, blue, red) Operator selectable
Maximum number of tips	9 single: 3(3 x 1) 135 multi-tip: 3(3 x 15)

SOUND OUTPUT

Source level	Typically 226dB re 1 μ Pa at 1 metre with 6000J
Frequency range	300Hz – 5kHz
Pulse length	0.3 – 5.0ms Dependent on tips and power applied
Penetration	800ms achieved

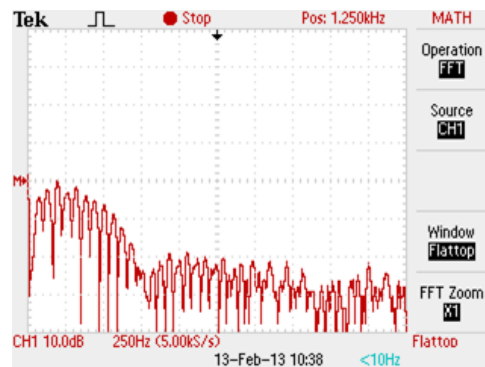
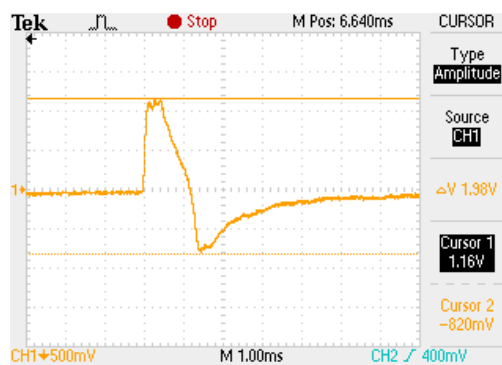
COMPATIBLE ENERGY SOURCES

Delta Sparker	CSP-S12000
---------------	------------

COMPATIBLE HV CABLE

Delta Sparker	HVC 3500 Standard length 75m RMK 1/0 connectors complete with locking collars
---------------	---

TYPICAL PULSE SIGNATURE AT 12000J



Due to continual product improvement, specification information may be subject to change without notice.
Delta Sparker Seismic Sound Source/April 2020
©Applied Acoustic Engineering Ltd.



Applied Acoustic Engineering Ltd
Marine House, Marine Park
Gapton Hall Road
Great Yarmouth NR31 0NB
United Kingdom

T +44(0)1493 440355
F +44(0)1493 440720
E general@appliedacoustics.com
W www.appliedacoustics.com