APPLIED ACOUSTICS
Underwater Technology

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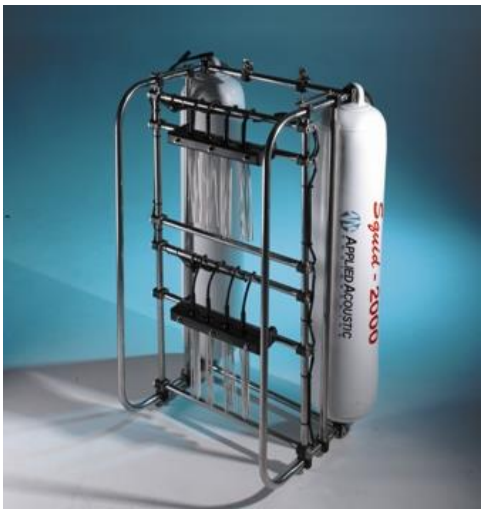
Squid 501, Squid 2000 Sparker Seismic Sound



Key Features

- **Squid 501 is a compact sound source affixed to high voltage cable**
- **Squid 2000 capable of significant penetration at 300-2000J range**
- **Fitted with RMK connectors as standard**
- **Lightweight, compact and easily deployed**
- **Field replaceable electrodes**

The Squid 501 and Squid 2000 sparker seismic sound sources are used for high resolution applications with low electrical power input.
The lightweight Squid 501 is used with direct attachment to a HV cable. The Squid 2000 is deployed from a catamaran, the Cat 200, and is easily configurable for array depth, spacing and power input.
Different sparker tips can be used to increase resolution or penetration as required.

Technical Specification

PHYSICAL

	Size	Weight	Connector
Squid 501	800mm (L) x 150mm (dia)	3kg	RMK 1/0
Squid 2000	1250mm (L) x 900mm (W) x 500mm (H)	40kg	RMK 1/0

ELECTRICAL INPUT

Recommended energy	Squid 501	300 – 800J/shot
	Squid 2000	600-2400J/shot
Maximum energy	Squid 501	1200J/shot
	Squid2000	2500J/shot

Squid 501, Squid 2000 Technical Specification continued…

Operating voltage	3000-4000V
Number of tip locations	Squid 501: 4 Squid 2000: 8
Maximum number of tips	Squid 501: 60 (4 x 15, black) or 120 (4 x 30, blue) Squid 2000: 120 (8 x 15, black) or 240 (8 x 30, blue)

SOUND OUTPUT

Source level	Squid 501	Typically 216dB re 1µPa at 1 metre with 500J
	Squid 2000	Typically 222dB re 1µPa at 1 metre with 1500J
Pulse length	Squid 501	Typically 200µs to 300µs at 500J
	Squid 2000	Typically 1ms at 1000J
	Dependent on tips and power applied	

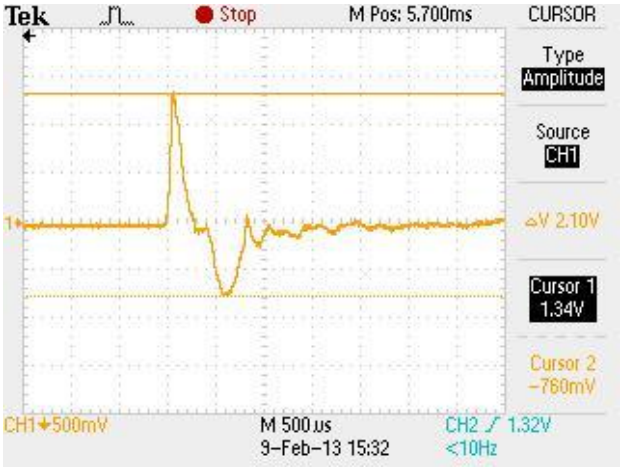
COMPATIBLE ENERGY SOURCES

Squid 501	CSP-P, CSP-D, CSP-S1250, CSP-S4000, CSP-S6000
Squid 2000	CSP-D, CSP-S1250, CSP-S4000, CSP-S6000

COMPATIBLE HV CABLES

Squid 501, Squid 2000	HVC 2000
Standard length	50m
	RMK 1/0 connectors complete with locking collars

TYPICAL PULSE SIGNATURE, SQUID 2000 at 1500J



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