



Dura-Spark L200, Seismic Sound Source



Key Features

- Long life, durable electrodes
- Pulse stability
- High resolution sub-bottom data, up to 25cms
- Compact, lightweight
- Adjustable tow depth
- Single low loss cable
- Inter array flip-flop fire capability
- Bubble forming utilising fire delay functionality

Applications

- High and Ultra-High Resolution geophysical surveys
- Single and multi-channel acquisition
- Water depths of 5 to >1000m

The Dura-Spark L200 has been designed to provide a lightweight stable, repeatable sound source for sub-bottom geophysical surveys. The long life, durable electrodes produce a consistent pulse signature and keep operational maintenance to a minimum. This provides increased survey efficiency and equipment reliability as the sparker tips rarely need replacement.

The Dura-Spark L200 consists of 2 banks of 100 tips that allow the operator to tune the source from the vessel to its application. Each bank can be fired independently, in flip flop mode, combined with fire delays or a split fire delay. This flexibility, together with selectable source depth, allows the sound source to be used in both shallow and deep waters for multiple seismic data gathering applications.

When coupled with the CSP-NP or CSP-Nv Seismic Power Supply the system offers 2000J/s peak discharge rate, as well as industry leading design and safety standards.



Dura-Spark L 200 Technical Specification

PHYSICAL

Dimensions	Length 1280mm Height 525mm frame Width 915mm, including floatation
Weight	47kg
Connector	RMK 1/0 complete with locking collar

ELECTRICAL

200 tip configuration	300-500J, <3J per tip to minimise bubble collapse component. 1000J Maximum
Operating voltage	3000-4000V
Maximum number of tips	200 (2x 100 bank)
Power Supply	CSP-NP 350, CSP-Nv 1200, CSP-SNv 1250
HV Supply Cable	HVC-2000

SOUND OUTPUT

Source level	222dB re 1 μ Pa at 1m (typical)
Pulse length	0.5 to 1.5ms Dependent on power applied

TYPICAL PULSE SIGNATURES AT 500J

