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# Dura-Spark L80 Seismic Sound Source

## Key features

- Long life, durable electrodes
- Pulse stability
- High resolution sub-bottom data, up to 15cms
- Compact, lightweight.
- Single low loss cable

## Attributes

- High and Ultra-High Resolution coastal geophysical surveys
- Single and multi-channel acquisition
- Water depths of 5 to 200m

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## Dura-Spark L80 Overview

The Dura-Spark L80 has been designed to provide a light weight 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 L80 consists of 2 banks of 40 tips mounted on a compact catamaran ideal for small coastal vessel survey operations in shallow water. When coupled with the CSP-NP Seismic Power Supply the system offers 2000J/s peak discharge rate, as well as industry leading design and safety standards.

# Technical Specification

## PHYSICAL

<b>Dimensions</b>	Length 770mm Height 537mm frame Width 740mm, including floatation
<b>Weight</b>	35kg (typ)
<b>Connector</b>	RMK 1/0 complete with locking collar

## ELECTRICAL INPUT

<b>40 tip configuration</b>	100J, <3J per tip to minimise bubble collapse component, 300J Maximum
<b>80 tip configuration</b>	200J, <3J per tip to minimise bubble collapse component, 350J Maximum
<b>Operating voltage</b>	3000–4000V
<b>Maximum number of tips</b>	80 (2x 40 bank)
<b>Power Supply</b>	CSP-NP
<b>HV Supply Cable</b>	HVC-2000

## SOUND OUTPUT

<b>Source level</b>	221dB re 1µPa at 1m (typical)
<b>Pulse length</b>	0.25ms Dependent on power applied

## DURA-SPARK L80 TYPICAL PULSE SIGNATURES AT 200J

