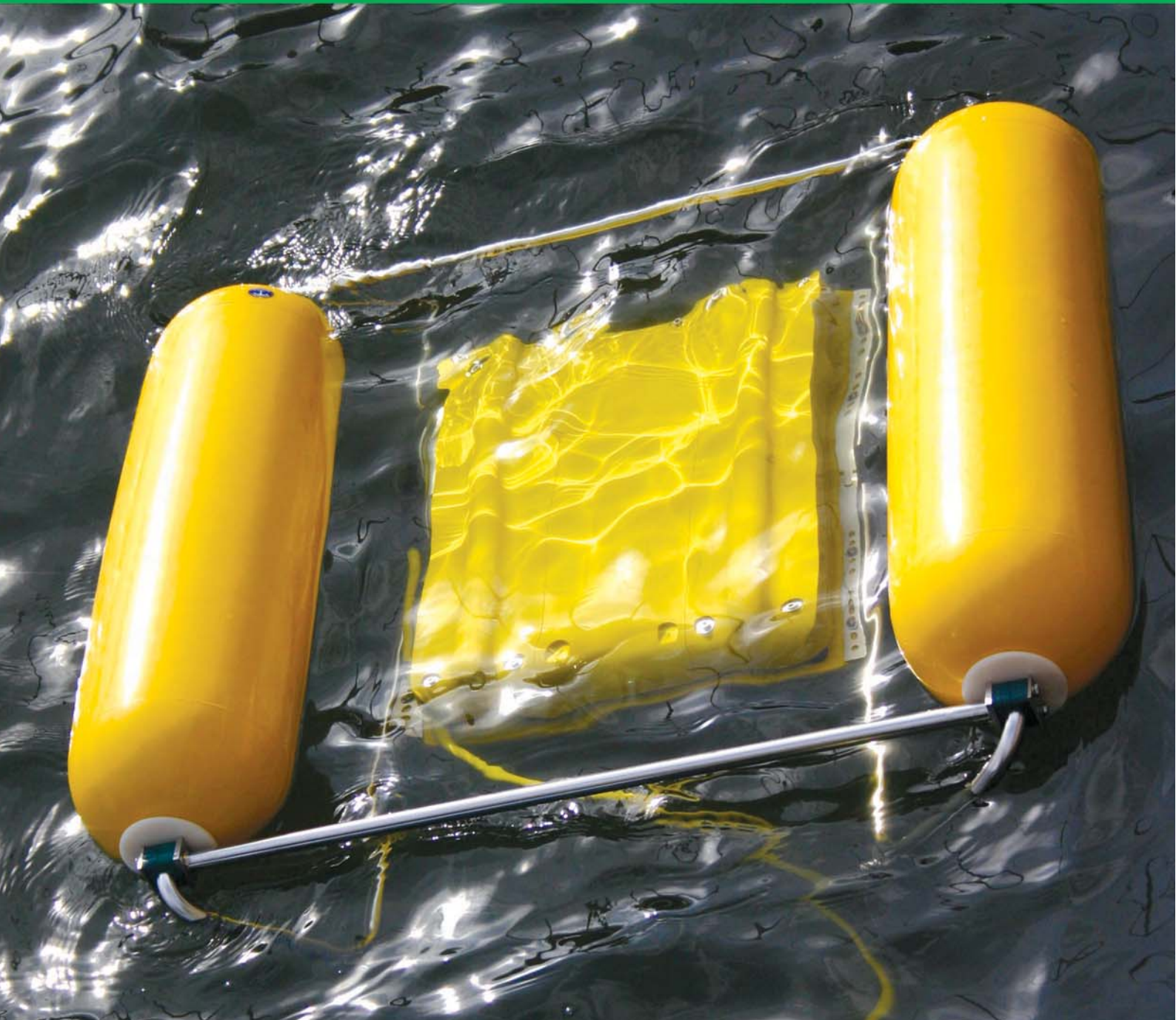


# C-Boom

The 400 Volt Boomer

Seismic source for the marine survey industry

Innovation to change your business



**Our 400 Volt boomer system is the lowest voltage boomer system in the market place.**

**It is lightweight and compact, opening up a**



**whole new world of seismic exploration. It is the perfect tool on small inshore craft as well as larger open water vessels. It retains all the functionality of traditional boomers yet offers a number of key benefits including the quality of its data - some of the very best in the world.**

## **The Risk**

Traditional power supply units (Bang Boxes) are typically large, heavy and generate up to 5000 volts. By dispensing with the need for very high voltage the C-Boom is much safer.

## **The Challenge - Why use C-Boom?**

Wherever you survey you want to obtain the maximum geological information with decimeter resolution and maximum penetration. The C-Boom is tuned to give just that - Boomer penetration and Pinger resolution without ringing. It is lightweight, compact, easily transported and can be mobilised within minutes. It is ideally suited for very shallow water inshore small boat surveys and equally competent when used for deeper water surveys beyond the 100m contour. The system is safe, simple and can be used confidently by any surveyor.

# C-Boom - Technical Specifications

## Standard C-Boom System Includes

- 1 x Deck power supply
- 1 x Catamaran assembly (Transducer, Electronics module and Frame)
- 1 x 60m Lightweight tow cable
- 1 x IEC mains cable with 13A square pin plug
- 1 x 4m BNC trigger cable
- 1 x Operation manual
- 1 x Spares kit (Standard)



## C-Boom Power Supply

Dimensions (19" Rack Mounting)	430 x 430 x 180mm
Weight	18kg
Source Voltage	100-120 / 200-240 Volts ac 50 /60 Hz
Output Voltage Range	400—600 Volts DC
Connections	Source - IEC C13 Plug Catamaran - 12 pin Mil-C-26482 Trigger - BNC 50 Ohm
Power Consumption	800W
Environmental	Safe Portable Equipment Fully Isolated from power source Fully Isolated from Trigger Source Electrical earth must be connected through the IEC C-13 source plug
Earth Requirements	



## C-Boom Light Weight Tow Cable

Standard Length	60m (Other Lengths available)
Weight in air	13Kg
Weight in water	4Kg
Diameter	14mm
Composition	Triple Insulated Double screened Aramid fibre
Strain member	700Kg
Cable breaking strain	Power supply 12 pin Mil-C-26482 Catamaran 6 pin wet pluggable
Cable termination	



## C-Boom Catamaran

Catamaran assembly dimensions	950 x1030 x 370mm
Plate dimensions	530 x470 x 25mm
Transducer diameter	370mm
Weight in air	60Kg
Energy discharge per pulse	100 Joules
Acoustic output (re 1uPa@600V)	-200dB
Dominant Frequency	1760Hz
Resolution better than	20cm
Firing rate	6 per second max
Catamaran connection	6 pin wet pluggable
Transducer connection	4 pin C-Products connector
Frame assembly	19mm stainless 316 tube





## How the C-Products range can reduce your survey costs

- Systems can be mobilised and operated by Surveyors
- No Engineer required on site
- Robust and reliable
- Easily portable
- Quick mobilisation
- Can be operated on small craft
- Competitively priced

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your company money

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400 Volt Boomer

**C-Phone**  
Multi-Element Hydrophone