

C-Phone

Multi-Element Hydrophone

Seismic receiver for the marine survey industry

Innovation to change your business



The C-Phone offers many features that are not found on other hydrophones. It is shorter, more portable and better protected against electrical damage than most other hydrophones



on the market. The system has extremely high sensitivity (-144dB re 1V/uPa), built in band pass filtering and the signal is transmitted differentially up the cable to further reduce system noise.

The Risk

Most hydrophones are typically long, semi rigid and awkward to use on very small craft and contain paraffin based oils. C-Phone eliminates all these problems.

The Challenge - Why use C-Phone?

Wherever you survey you want to obtain the maximum geological information with decimeter resolution and maximum penetration. The C-Phone is specially tuned to give maximum sensitivity and signal to noise qualities across the boomer and pinger frequency range. It is very lightweight, extremely compact, flexible in all temperatures, 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.

C-Phone - Technical Specifications

Standard C-Phone System Includes

- 1 x Hydrophone streamer & tail
- 1 x 60m signal tow cable
- 1 x Deck receiver
- 1 x External mains SMPS power supply
- 1 x IEC mains cable with 13A square pin plug
- 1 x 2m BNC-BNC signal cable
- 1 x Operators manual
- 1 x Pair protective connector caps



C-Phone Streamer

Physical length:	1800mm
Diameter:	26mm
Elements per Section:	8
Element Connection:	Series
Element Sensitivity:	-195dBV re 1 μ Pa
Weight in Air:	1.3Kg
Filling Medium:	Pure Castor Oil
Tow Depth:	0-20m
Amplifier properties	
Frequency response:	-3db at 500Hz to 12KHz
DC Signal Gain:	200
Signal Output:	Balanced Differential
Signal Output Impedance:	1000 Ohms each phase



C-Phone Deck Receiver

Size:	172mm x 90mm x 52mm
Weight:	344g
Input signal type:	Balanced Differential
Output signal type:	2 x Single ended, fully isolated
Output signal sensitivity:	-144db re 1 μ PA @ 1m
Output signal voltage swing:	15.8 Volts Pk to Pk max
Output signal impedance:	600 Ohm
DC resistance:	55 Ohm
Power supply properties	
Input voltage / frequency:	100-240 Vac , 47-63Hz
Power consumption:	15 Watt
Input connector:	IEC



C-Phone Light Weight Tow Cable

Standard length:	60m(upto 200m on request)
Weight in Air:	13Kg
Diameter:	12mm
Cable breaking strain:	500Kg
Conductors:	3 x Twisted pair double shielded
Composition:	Triple insulated conductors inner & outer jacket
Deck Connector:	Binder 440 series 6 way
Wet connector:	Impulse 5 pin waterproof





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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400 Volt Boomer

C-Phone

Multi-Element Hydrophone