The C-Phone MEH is an 8 element 2m long mini hydrophone streamer tailored to match the acoustic output of the C-Boom 600 Volt Boomer and the logging input of the C-View Seabed Data Management Package.

A light weight Kevlar reinforced 60m tow cable conveys the signal in balanced differential format to the deck receiver. The receiver has two fully isolated single ended signal outputs via standard BNC connectors. 24 Volt external power is supplied by a compact light weight mains universal power supply (90-260Vac). The C-Phone MEH frequency response is -3dB at 500Hz and 12KHz and has a sensitivity of -144dB re 1V/uPa.

Benefits of using the C-Phone
The mini Hydrophone streamer is short and easy to use on vessels of all sizes
Optimised element spacing matches the frequency spectrum of the C-Boom
Signal output is fully isolated to prevent earth loop problems
Streamer can be removed from the tow cable
Tow cable is ultra lightweight, double insulated and reinforced with Aramid
Streamer is filled with natural castor oil, not kerosene or silicon based oils
Standard C-Phone Package 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 2metre BNC - BNC signal cable
1x Operators manual
1x Pair protective connector caps

C-Phone - Technical Specifications

Model No 2M8E150A16

C-Phone Streamer

Physical Length: 1800mm
Diameter: 26mm
Number of Sections: 1
Number of Elements per Section: 8
Element Spacing: Matched to C-Boom LVB
Element Connection: Series
Element Sensitivity: -195 dBV re 1uPa
Weight in Air: 1.3Kg
Weight in Water: Pure Castor Oil
Filling Volume: 375mL
Filling Mechanism: Tail plug unscrews.
Tube: All temperature extra flexible
Tow Depth: 0 - 2000mm

Amplifier properties:-
Frequency Response -3dB at 500Hz to 12KHz
DC Signal Gain: 200
Signal Output: Balanced differential
Signal Output Impedance: 1000 Ohms each phase
Potted Size: 88mm x 17mm Ø
C-Phone Deck Receiver
Size: (Inc connectors and feet) 172mm x 90mm x 52mm
Weight 344g
Colour Yellow
Input connector Binder 440 series 6 Way
Input signal type Full differential.
Output connectors BNC
Output signal type Single ended & fully isolated.
Output signal sensitivity dB re 1uPA @ 1m
Output signal voltage swing 15.8 Volts Pk to Pk max
Output signal impedance: 600 Ohm
DC Resistance 55 Ohm
Number of outputs: 2 (fully isolated)

C-Phone External Power Supply
Input voltage: 100-240 Vac
Input Frequency: 47-63Hz
Power Consumption: 15 Watt
Input Connector: IEC
Size: (No including cables) 90mm x 38mm x 36mm
Weight: 424g Inc cables
Colour: Black

C-Phone Light Weight Tow Cable
Weight in Air: 13Kg Approx.
Weight in Water: 11Kg
Diameter: 12mm Ø
Standard Length: 60m
Cable breaking strain 500Kg
Conductors: Twisted pair shielded
Deck connector: Binder 440 series 6 way
Wet connector: Impulse 5 pin Waterproof
C-Phone Optional Spares Kits

Repair Kit (Standard)
1 x 1 x Amplifier
4 x SS Tube fastener
1 x Nylon lock screw,
1x O-Ring set (4 per set)
2 x Heat shrink
4 x Rubber covers (for elements)
1 x Element hook up wire 0.5m
4 x Solder tags
1 x 500ml castor oil
2 x Mains fuse
4 x pre amp fuses
1x Pair of protective caps

Repair Kit (Express)
In addition to the standard site repair kit the "express" version contains a hydrophone connector and a top end hose fitting. These are assembled at the factory together with the amplifier.

The kit enables a very fast repair to be made within minutes since only the receiver element string requires connecting to the assembly.

A simple, fast and effective solution to a break down.