CM2 SIDESCAN SONAR C-SHELL SPECIFICATION
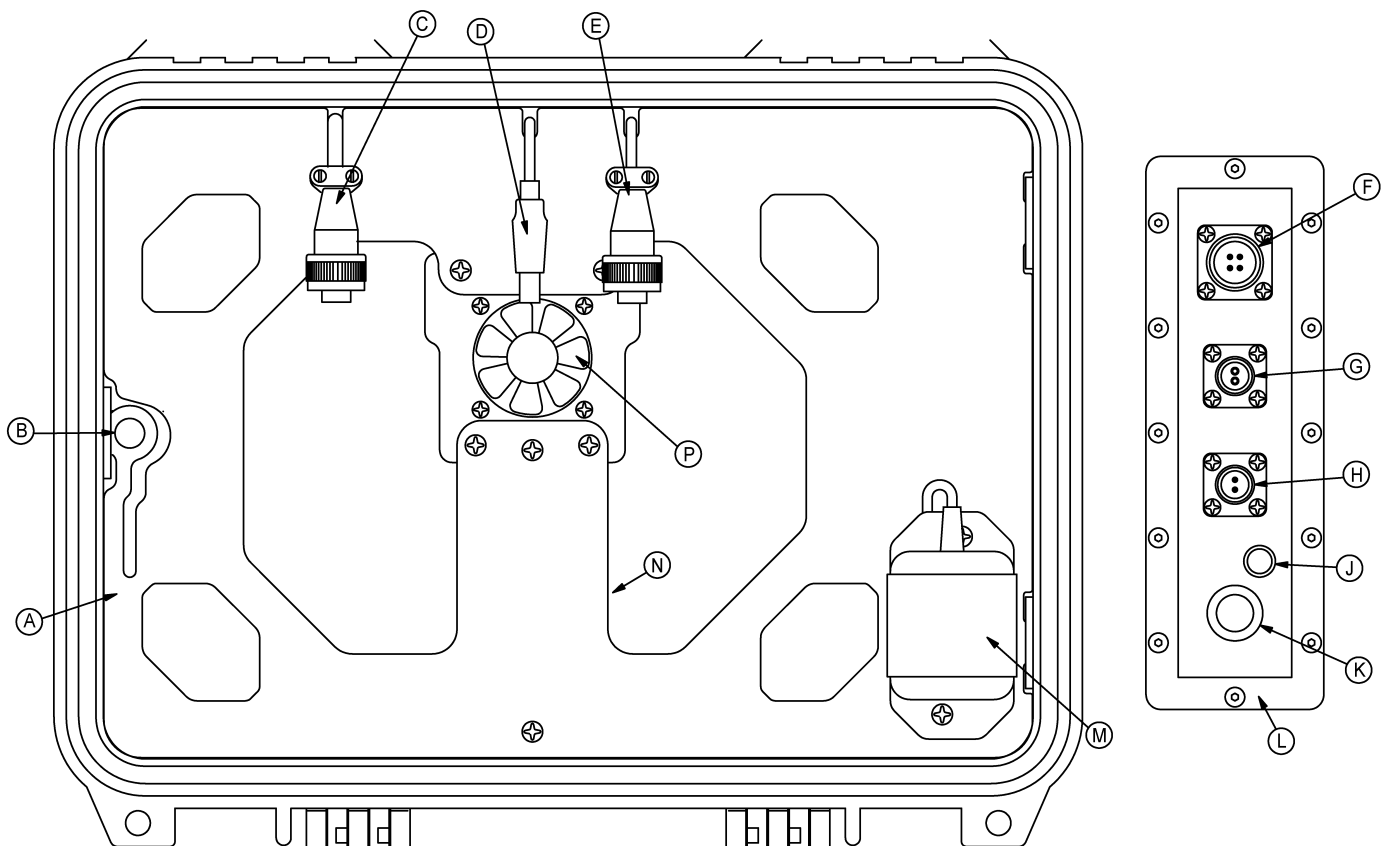## Issue 1, April '08

1. GENERAL

The CM2 C-Shell is a clamshell case that can be used as an optional waterproof (IP67) housing for the CM2 Sonar Transceiver (STR) whilst the STR is connected and operational. The C-Shell is fitted with internal connectors for the STR and waterproof (MIL-C-5015) external connectors for the tow cable, acquisition computer and DC power. The STR is secured to an internal mounting location, from which it can be easily removed and re-fitted as required.

The C-Shell has internal provision for a USB dongle (access key) for MaxView software, or for third-party software, running on the external acquisition computer. The C-Shell may also be specified with an internal GPS receiver. An internal USB hub combines the links from the STR, the dongle and the optional internal GPS receiver into a single USB link to the acquisition computer.

The external connector panel carries an on/off switch and power LED.

For the operation and other details of the STR refer to the latest issue of a separate document, CM2 SIDESCAN SONAR TRANSCEIVER (STR) SPECIFICATION.

A = STR base
B = STR base release
C = STR power
D = STR link to USB hub
E = STR link to external tow cable connector
F = PC USB connector (from USB hub)
G = Tow cable connector
H = Power input connector, 10-28VDC

J = Power LED
K = Power switch, push-on/push-off
L = External connector panel
M = Optional GPS receiver
N = 4-way USB hub, below STR base panel
     (for dongle, GPS, and STR)
P = Fan (12VDC)

2. INTERFACES

Tow cable
USB to acquisition computer
DC power (10-28V)
STR (internal)
Dongle (internal)
GPS receiver (internal)

3. MECHANICAL

The C-Shell uses a polypropylene clamshell enclosure, with O-ring seal, fitted with a stainless steel connector panel.
Dimensions: 41 x 33 x 18cm
Weight (with STR fitted): 6kg

4. ENVIRONMENT

0 to +45ºC; IP67; 40G, operating
-10 to +55ºC; IP67; 40G, non-operating

The above specifications may be changed without notice.

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