The CM2 Sidescan Sonar System

Versatile, Rugged, and Dependable - The **complete** sidescan survey system

The CM2 product family comprises the CM2 digital towfish, STR topside transceiver unit, MaxView acquisition software and a choice of kevlar or stainless steel armoured tow cables. A wide range of accessories is available.

Soft Tow Cables

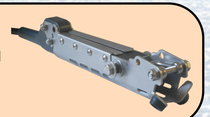
Coaxial hand-hauled cable for shallow water surveys.





A storage reel, with or without internal slip rings, keeps things tidy.

The ergonomic tow cable terminator aids launch and recovery.



The towfish includes a tumble-free mechanism to help prevent loss. If the towfish becomes obstructed it uses a frangible disk that breaks when the cable tension exceeds a preset limit. This action transfers the cable tension to the rear of the fish, helping it to tumble clear of the obstruction.



Sonar Transceiver



The compact, rugged, splashproof topside unit offers a plug-and-play USB connection to MaxView or third party acquisition software. AC/DC power supply,



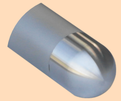
The C-Shell provides the STR with a waterproof case, complete with MIL-SPEC connectors and optional internal GPS receiver.



The tow cable connection is protected between the rear fins.

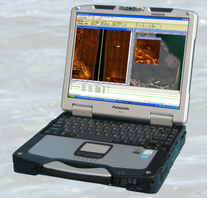


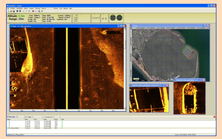
Corrosion resistant 316 stainless steel construction provides durability and a 2000m depth rating.



MaxView Acquisition Software

MaxView is designed to work with the CM2 and offers a wide range of online and offline features including acquisition and playback, survey planning, navigation and target marking.





A versatile plotter shows swept coverage, survey planning, targets and chart imagery.

An integrated echo sounder ensures accurate, automatic bottom tracking.

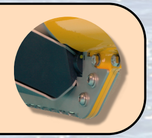
The optional heading, pitch and roll sensor provides towfish attitude information.

CM2 Digital CHIRP Towfish

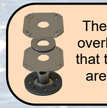
DF Option { **100kHz** - 500m/side; **325kHz** - 200m/side; **780kHz** - 50m/side } EDF Option

18kg (40lbs) in air, 11kg (25lbs) in water

No tools are needed to change the angle of the transducers.



Compact Power Winch With 300m cable



The internal automatic overload clutch ensures that the cable and winch are not overstressed.



The winch includes motor temperature protection and an emergency stop switch. Electronic “soft start” current-limiting minimizes the surge current when accelerating.





The winch remote pendant allows the sonar operator direct control of the tow cable scope – no need to pass movement commands to a deckhand.

C-MAX

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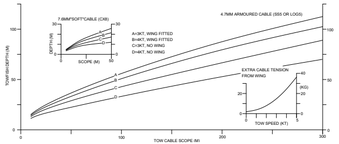
Accessories



16cm and 32cm pulleys are specially designed to allow easy loading of the tow cable. With the optional sensor as shown each unit becomes a counting pulley, displaying the outboard cable length on the sonar screen.







The optional wing depressor pulls the towfish up to 50% deeper. Unlike other depressors the high aspect-ratio wing, with built-in handles, makes for easy launch and recovery. It weighs only 5kg but provides 35kg of downforce at 5 knots.

The USBL transponder bracket suits a wide variety of beacons, holding the transponder at the optimum angle.





The polemount bracket allows the towfish to be fixed alongside the survey boat where this is preferable to towing the fish. The bracket suits standard 2” or 50mm poles.



Transit cases with internal fittings protect the towfish, winch and wing.

07/17

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