C-ROM
Compact Recoverable Ocean Mooring

Reliable Recovery of Subsea Instruments

The ROMOR C-ROM is an oceanographic subsurface mooring solution that offers a reliable and compact design to mooring and recovering oceanographic instrumentation.
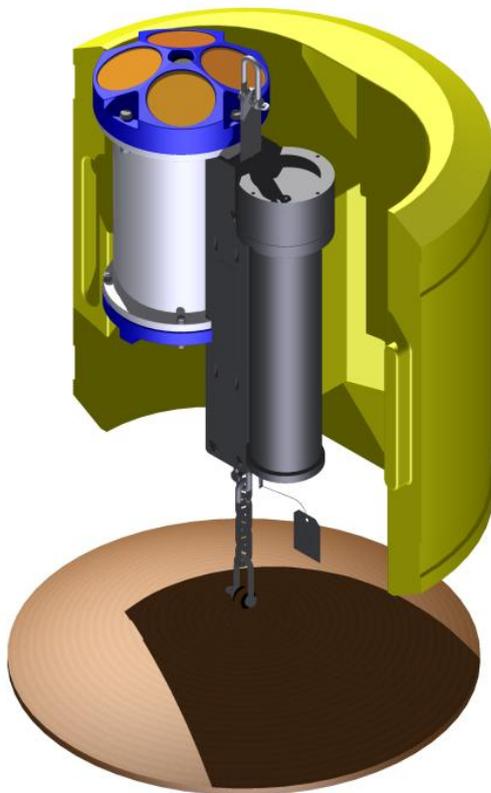
C-ROM consists of a subsurface flotation collar that provides approximately 36 kgs of positive buoyancy for use in a seawater environment for depths up to 500m. The flotation collar encloses a customer specified acoustic release as well as the client specified instrument(s) that can be accommodated within the dimensions of the design. As an option, the C-ROM RotoDrum rope deployment system can be included with the C-ROM to enable recovery of the mooring anchor once the mooring has been released and surfaced. Other options such as acoustic modems are available.

C-ROM has standard fitting kits for most popular acoustic release systems including Benthos, Applied Acoustics, Sonardyne etc. In addition the system also provides standard mounts for XEOS RF, Satellite and flasher recovery beacons, Nortek Aquadopp and AWAC, RDI ADCP, Satlantic SUNA and Stor-X, WETLabs Instrument sets, ASL Acoustic profilers. Custom instrument mounts and additional battery packs are easily accommodated

A unique feature of the C-ROM system is that it inverts at the surface so that the release transducers remain in the water and thus able to be ranged upon. The tracking beacons are mounted to the underside of the C-ROM, so that they are above the water when the float is on the surface.

Specifications:

Weight in air	45 kgs (nominal excludes payloads)
Buoyancy in seawater	36 kgs (nominal excludes payloads)
Dimensions	635mm dia. X 585 mm tall
Material	Syntactic Foam filled
Shell	Polyethylene
Depth Rating	500m

Options

- **C-ROM RotoDrum with up to 500m of anchor recovery line.**
- **Acoustic modems**
- **Internal brackets for additional sensors**
- **RF, Satellite and Flasher Recovery Beacons**
- **Additional flotation and larger versions**

C-ROM Assembly complete with stainless hardware and anodes, showing release and ADCP in position.

REF C-ROM Iss B Jan 2010