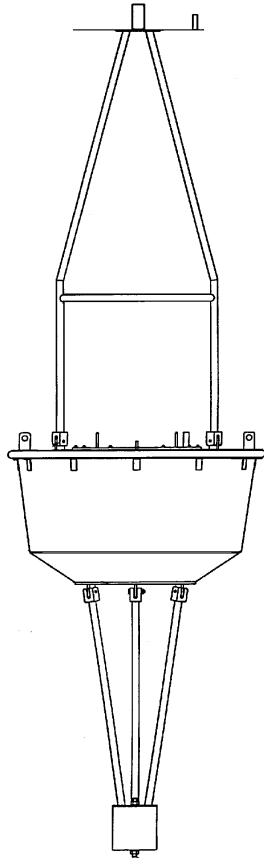




Moored Buoy

type BM1000



The buoy is designed as a stable self contained and powered platform for supporting underwater equipment and providing a radio relay to another station.

The standard units feature quick assembly/disassembly of the counterweight and superstructure from the main hull section. The main hull can be supplied with separate watertight equipment and battery compartments. The floatation section of the hull is normally filled with a closed cell foam to assist floatation should the unit suffer damage causing water ingress. IP rated connectors are available for the interfacing of external electrical \ electronic equipment including sub-surface sensors.

The superstructure supports the navigation lighting and is also designed to support an antenna, radar reflector and extra solar panels for an onboard power supply. The hull shape is such that it provides a stable platform for the antenna and solar panels with minimal acoustic noise when moved by wind or wave action.

A mooring system that provides for easy deployment and recovery with the first section of mooring line designed to resist shark attack is available (option). In addition, the buoy hull has a rubber buffer around its perimeter and maybe supplied with a floating recovery line (option). Lifting lugs to 1000 kg are fitted to the hull which allows a single point lift.

Specifications

- Various hull sizes to suit different payloads
- May be painted to most colours required (standard colour is yellow)
- Radar reflectors, IALA Compliance Top marks and antenna (s) may be fitted
- A battery compartment venting system is available
- Buoyancy compartment of hull filled with closed cell foam
- Watertight equipment compartment with sealed electrical connection to battery compartment
- Solar powered navigation light may be optionally fitted with adjustable flash sequence for different survey requirements
- Approximate overall weight of the standard buoy with superstructure and without counterweight attached is 68kg
- The system is designed for:
 - deployment and recovery up to Sea State 2
 - operation up to Sea State 4
 - survivability up to Sea State 6
- Certification of Testing of lifting points and mooring tackle is available (option)
- Operational and maintenance documentation is provided
- Packing crate is designed for re-use.

Specifications subject to change – Issued 01/09/13

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