



The EBM-OC Oceanographic Buoys designed and manufactured by MSM are measurement units of various environmental, meteorological and oceanographic factors that may be present in the marine environment, especially indicated for both sheltered and open-sea waters.

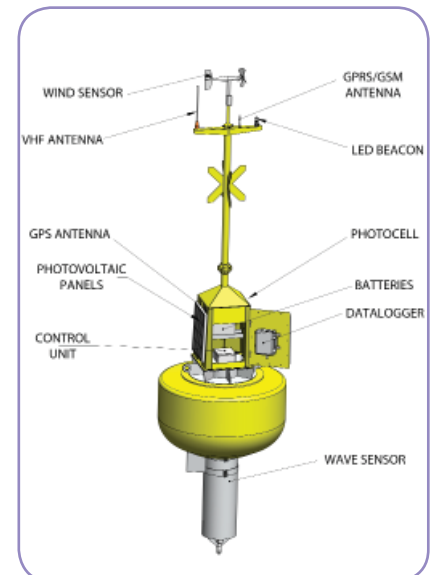
Their floats, of high lightweight and elasticity, are made up of closed-cell polyethylene foam sheet (no water absorption) and projected with a layer of coloured polyurethane elastomer. These materials provide an unsinkable character, thus preserving the equipment held.

Manufactured with high-quality and resistant materials, these buoys provide a long service life under the harshest marine conditions and a full respect to the environment in case of damages in the buoy.

Designed according to IALA Recommendations.

FEATURES

- ✓ Sensor configuration and tailor-made equipment, depending on required parameters.
- ✓ High-capacity cabinet to hold batteries and electronic equipment.
- ✓ Vertical storage for higher stability and safety.
- ✓ Datalogger module compatible with multiple standard sensors.
- ✓ Real-time data transmission system (GPRS, radio, satellite, AIS, etc). Redundant system as an option.
- ✓ Solar power system of high capacity and autonomy.
- ✓ Float manufactured with closed-cell polyethylene foam sheet (no water absorption), projected with a layer of coloured polyurethane elastomer.
- ✓ LED marine lantern for night beaconing with an output of 360°.
- ✓ Passive radar reflector of 10 m² RCS.
- ✓ Positioning by GPS. AIS AtoN transponder as an option.
- ✓ Vandal-proof protection.

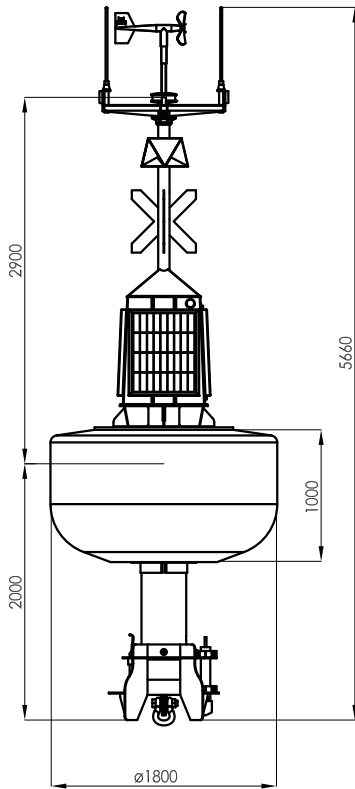


OCEANOGRAPHIC BUOY

EBM-0C



Specifications subject to change without previous notice.



Superstructure	
Material:	Stainless steel or marine aluminium.
Coating:	Marine paint highly resistant to corrosion and UV radiation, according to chromatic IALA Recommendations.
Top mark:	According to IALA Recommendations.
Radar reflector:	10 m ² (X Band).
Solar modules capacity:	Up to 4 nos. vertical solar modules of 40W each.
Batteries capacity:	Up to 330 Ah, datalogger and communication system, into a watertight cabinet with safety lock.
Lifting eyes:	2 nos.
Hardware:	Stainless steel.
Supports:	Antennas and sensors.
Transponder:	AIS AtoN optional.

Float	
Diameter:	From 1.8 to 3 metres.
Material:	Closed-cell polyethylene solid foam sheet.
Coating:	UV protected self-coloured polyurethane elastomer.
Top surface:	Anti-sliding, to increase security during maintenance.

Tail	
Material:	Hot-dip galvanized steel or marine aluminium in order to avoid interferences with measurement sensors.
Ballast weights:	Treated steel, detachable.
Mooring eye:	1 no.
Protection:	Sacrifice anodes, to increase service life.

Electronics and Telemetry module (METLOGGER 2000 Remote Station)

Control of all on-board sensors.

Data acquisition, ensuring their quality, storage, and transmission, failure alarm of any sensor, self-calibration, remote configuration, positioning and power supply diagnosis.

All data are processed using several algorithms and stored locally for later use, as well as transmitted to the Control Centre via radio, GPRS or satellite, as required.

System failures and alarms are sent in real time to the Control Centre to warn from problems or potential failure conditions.

Monitoring and Management

Software installed on the client's PC to communicate with the remote station, allowing local processing and transmission of data and images, with possibility of a local connection through serial cable (RS-232-C) or remotely via the selected transmission channel (radio, GPRS or satellite).

The main functions are: to collect all data stored in the memory of the remote station, to request instant data, to synchronize date and time, to generate database, to analyse graphics and to create reports.

Data consulting and management application (generation of tables, charts, comparison of parameters, including those from other stations, etc.) stored in the computer.

For further information, refer to technical sheets available on datalogger and sensors.



MEDITERRÁNEO SEÑALES MARÍTIMAS, S.L.L.
 mesemar@mesemar.com • www.mesemar.com

