

NAVLOC BEACON

Geolocation and file position transmission



Data loggers

Installed aboard the ship, **NAVLOC** beacon can automatically receive and send the boat position at regular rates. Out of the maintenance of the NAVLOC beacon, no operation is required for the crew to operate.

NAVLOC measures and records speed, direction and GPS position of the boat.

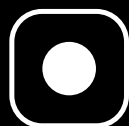
Once powered, NAVLOC is fully autonomous. Time-stamped data are transmitted via GPRS to a management station.

- Rugged and waterproof box made by high-pressure injection.
- Automatic acquisition of GPS Position, direction and speed, at configurable rates.
- Li-Ion Internal battery, recharged by the ship, to ensure continuity of service, even in case of loss of the main power.
- Starting and remote configuration of NAVLOC beacon by text message or email.
- Quick and easy set up.

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NAVLOC BEACON

Geolocalisation and transmission of boat GPS position data



NAVLOC BEACON incorporates :

- The beacon case which includes a circuit board [microprocessor, storage memory, on-board software, GPS with 3D filtered geolocalisation, radio modem GSM/GPRS, battery charger], a rechargeable Li-Ion battery and a shielded beacon cable resistant to UVs and to marine environments [7 mètres]
- The connection case which includes a running mode light, and a cable connecting to the electrical network on board;
- The multi-support frame [Stainless steel A4] to set the beacon case on a tube or on a flat surface ;

DESIGNATION		NAVLOC beacon case
Functional characteristics	Geolocalisation frequency at sea	Programmable from 1 minute to 4 hours by text message or by email by discharge. Detection of the mode « Automatic sea ».
	Geolocalization frequency at the port	4 hours. Detection of the mode « Automatic port ».
	GPRS Transmission rate	Programmable from 1 to 99 hours by text message or by email.
	Memory	15 days minimum at a 15 minutes rate in the form of text files (compatible with RECOPECA)
	Energy	External Supply 8 to 32 volts DC Integrated rechargeable spare Li-Ion battery
Mechanical Features	Waterproofness	IP code 67
	Dimensions	Diameter 110 mm, height 200 mm
	Material	ABS protected against UV light (High pressure plastic injection)
	Weight	0.75 kg
	Intrusion	Protection by two numbered seals

DESIGNATION		Connecting box
Functional characteristics	Functioning indicator	LED red signal light
	Connection	Quick connection + 2 cable glands + connecting cable [3 meters]
	Protection	Fuse
Mechanical Features	Waterproofness	IP code 55
	Dimensions	122 x 82 x 55 mm
	Material	Poly Carbonat
	Weight	0.25 kg

Usage examples of the NAVLOC beacon :

- Fishing effort monitoring
- Study of the socio-economic impact of a project at sea
- Monitoring of fishing activities in Marine Areas and protected areas
- Monitoring of vessels fleet



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