

SC HF GPS

HF fish marking radio buoy



Advantages

- DISCREET
- ATTRACTIVE PRICE
- NO ADDITIONAL OPERATION COST
- LONG RANGE (MORE THAN 800Nm)

New specifications

- BLUE EXTERNAL COLOUR AND NEW SHAPE TO REDUCE SIGHT DETECTION
- POSSIBILITY OF ACTIVATING FLASH LIGHT
- SHORTER MESSAGE TO ENFORCE DISCRETION
- SHORTER ANTENNA (<1.50 METERS) TO REDUCE RADAR DETECTION

Description

The SC-HF GPS marking buoy is specifically designed to mark flotsam as used for tuna fishing. The buoy is moored to flotsam released at sea to mark shoals.

The SC-HF GPS buoy is a sturdy half sphere made of moulded plastic (400 mm diameter). The standard model is equipped with an antenna 2.5 m high, an HF transmitter, a Global Positioning System, a flashlight and a temperature sensor. Buoy characteristics make it difficult to spot.

Operating principle

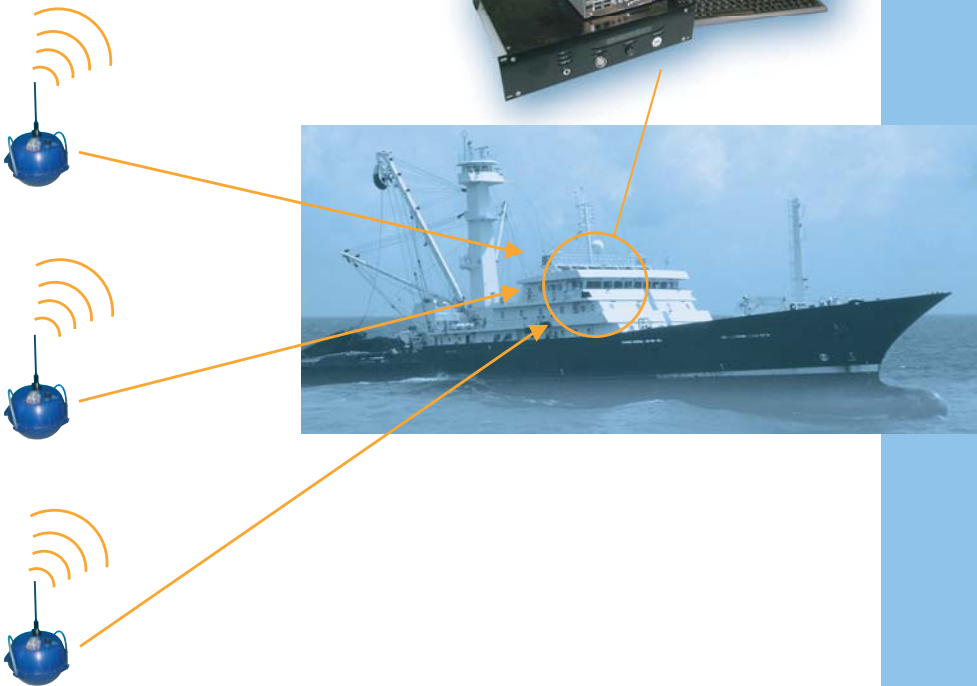
The buoy transmits its GPS position automatically several times a day, with the water temperature as well as battery voltage level. Each buoy transmits a ciphered message on specific frequencies to avoid undesirable deciphering.



Reception system diagram

The reception system is composed of a PC and a receiver rack. Each buoy has its own characteristics stored in an electronic key. Once the characteristics are downloaded in the PC, the reception system decodes automatically every hour the messages transmitted by the buoy.

The PC displays graphically the buoy positions (latitude/longitude), their drift and indicates the water temperature. It is easy to recover the buoys thanks to GPS positioning.



TECHNICAL CHARACTERISTICS

Power supply

Alkaline batteries	24V / 54 Ah
Autonomy	>12 months

Antenna

Height	2,5 mts
	1,5 mts

MECHANICAL CHARACTERISTICS

Diameter	Ø 400 mm
Color	blue
Weight	15 kg
Watertightness	0,3 bar