

KODEN GPS RADIO BUOY

KODEN

PickPoint-27

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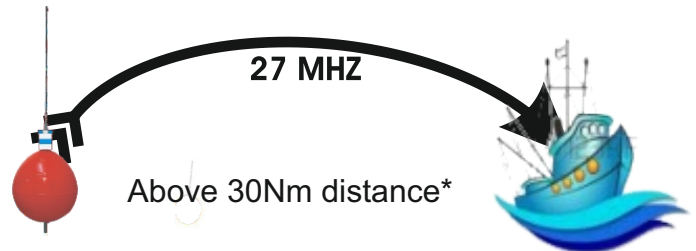
The system consists of:

The main unit is the **PickPoint-27** model buoy, which incorporates the latest technological advances in data transmission of its position in the 27MHz band.

GPS receiver GLONASS dual position enables acquisition times are minimized.

This characteristic results in a longer time of use of the unit since its consumption is drastically reduced.

GPS/Glonass :-



Characteristics and operation of the buoy PickPoint-27

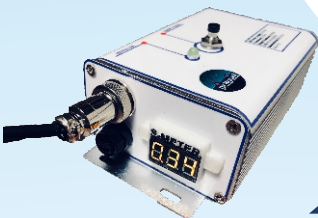
The **PickPoint 27** model buoy consists of a transmitter and a microcontroller that is responsible for executing and controlling all the functions of the buoy.

The electronic of the buoy incorporates the last advances in this field, which results in an optimization of the consumptions, to optimize its working time. The buoy is activated when mounted on the counterweight bar.

Once the buoy is assembled, the circuit closes and the process begins. First look for the GPS position and then send the data chain according to the programming chosen by the user.

PickPoint GPS Buoy :-

The buoys use lithium batteries, which maintains a continuous work autonomy of up to 6 days transmitting the position every 10 minutes and 15 days transmitting the position every hour.



Transmitter

The transmitter uses FM modulation and a maximum of **4w** in the 27 MHz band, depending on the conditions of propagation, the range may be greater than 40 m.n. in the Sea.

Programation

The **PickPoint-27** unit is programmed according to the user needs. The buoy programmable parameters are:

- ✎ Buoy Number.
- ✎ Encryption code.
- ✎ Broadcast time on intervals of 5, 10, 20, 30 and 60 minutes.

✎ Broadcast order of the buoy to avoid interference between them controlling the transmission moment.

✎ Led State (Flash, Always On, Off)

Programming is done by connecting a programmer to the PC USB port and with the dedicated software to do this buoy configuration*.

There is no need to open the buoy case to program or modify the recorded data.

*Programming must be done by an authorized distributor

Charger

It is available in two versions to be able to charge 2 or 4 buoys at the same time. They are also stackable.

Input Voltage: 24Vdc

Charging Time: 7 hours Approx (With batteries at 0%).

Technical specifications

- Programmable without disassembly.
- Lithium batteries
- Frequency Band: 27 Mhz
- TX Power output: 4W
- Modulation: FM Bi-Tone
- Estimated average range: Above 30m.n. (1)
- Working temperature: Between -10° and + 55°
- Storage temperature: -30° and 65°
- Message content: Position, battery voltage, buoy number
- Battery life: 15 days (2)
- Dimensions / weight:
 - With antenna: 1,250 m
 - Weight: 1,500 gr

Reception

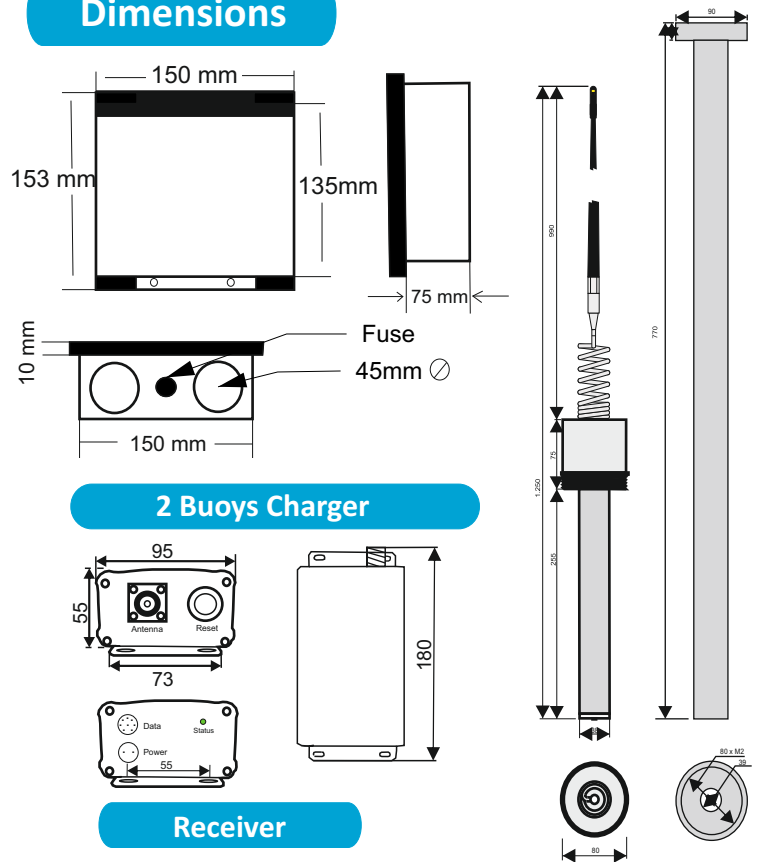
The on-board receiving unit (ORU) includes all components to receive, decode and present the buoy data.

Basic characteristics:

The unit includes a receiver in the 27 MHz band, which receive, decode and process the signal to send it to an output NMEA0183 at 4800 baud and in \$ RATLL or !AIVDM format according to customer needs to be able to show the position of the buoy on any plotter / PC compatible with this statement.

***Koden GTD-120 is recommended**

Dimensions



Consult your dealer:

1.- The range is determined by the propagation conditions of the electromagnetic waves. That distance was calculated with field tests.
2.- The battery life depends on the interval of sending the messages and the way in which the battery is recharged.

Specifications subject to changes without previous notice



Attention

To ensure proper and safe use of this equipment, please, Read and carefully follow the instructions in the User Manual supplied

KODEN

Marine Sales Department
2-13-24 Tamagawa, Ota-ku, Tokyo, 146-0095 Japan
Tel: +81-3-3756-6918 Fax: +81-3-3756-6831
E-mail: overseas@koden-electronics.co.jp