SPECIFICATIONS

Model	PKP-27
Frequency Band	27 MHz
Type of radio wave	MSK
Output power	4.0 W
Broadcast time	5 min, 10 min, 20 min, 30 min, 60 min

● Transmitter (BUOY)

Model	PKP-27 T
Output power	11.1 VDC (18650 Li-ion x 3pcs)
Communication range	*Approximately 30NM
LED	High brightness LED
Operating temperature	-10°C to +55°C

*Available distance depends on the environmental conditions.

● Charger

Model	PKP-27 C
Number of charges	2 pcs of buoy unit
Charging time	7 hours
Power supply	22.0 VDC to 30.0 VDC
Operating temperature	-10°C to +55°C

● Receiver

Model	PKP-27 R
Minimum receiving sensitivity	-115dBm for 12dB SINAD
Data output	NMEA0183 4800bps $RATLL, !AIVDM, $GBBLV sentences
Power supply	12.0 VDC to 30.0 VDC
Operating temperature	-10°C to +55°C

CONNECTIONS

Receiver antenna(Option)

KODEN Radar*

Other marine navigation app
Other Plotter

21.6 to 41.6VDC
or
KODEN Plotter
GTD-120

Receiver

12.0 to 30.0VDC

10.8 to 31.2VDC

Transmitter (BUOY)

——— : Standard devices and connections
- - - - : Optional devices and connections
········ : Owner supply

*MDC-5000 / 5200 / 5500 / 7000 / 7900 series

EQUIPMENT LIST

● Standard Equipment

PKP-27 T	Transmitter (BUOY)	**
	antenna	
	Weight bar (With magnet)	
	Float	
PKP-27 R	Receiver	1
	Power cable 2m (One end plain)	1
PKP-27 C	Charger (With connecting cable)	**
Installation manual		1

**Please select quantity when ordering.

● Option

Antenna connection cable (5D-2V-15M), Receiver antenna

DIMENSION AND WEIGHT

Unit: mm

Transmitter (BUOY)
PKP-27 T

1746±5
(826)
920±4
50

Float
Weight bar

Weight：8.4kg(Transmitter+antenna+Float+weight bar)

750±4
11
352±3
φ6
φ12
68
9
φ38
φ82
antenna
Transmitter
77
275

Weight：1.5kg(Transmitter+antenna)

Receiver
PKP-27 R

166.5
54±2
96±2
55.5
153.2
176.6±3

Weight：0.45kg

Charger
PKP-27 C

134
4-4
12
146
156±3
136±3
150±3
156±3
85±2

Weight：1.4kg
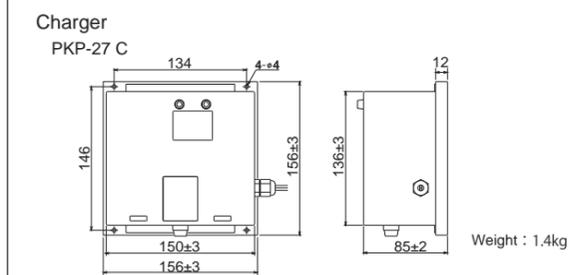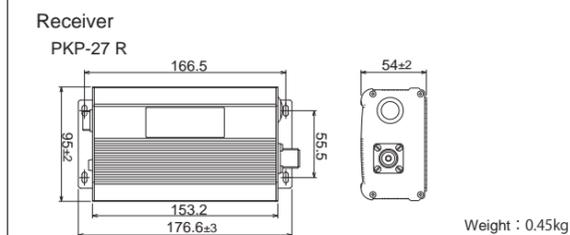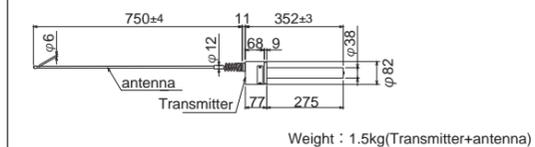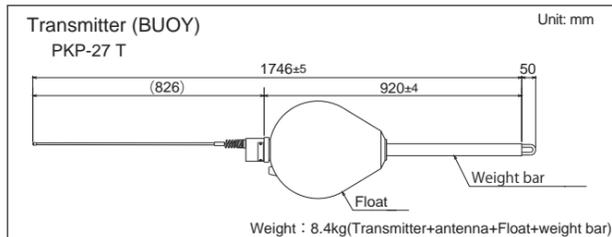
• Design and specifications are subject to change without notice.
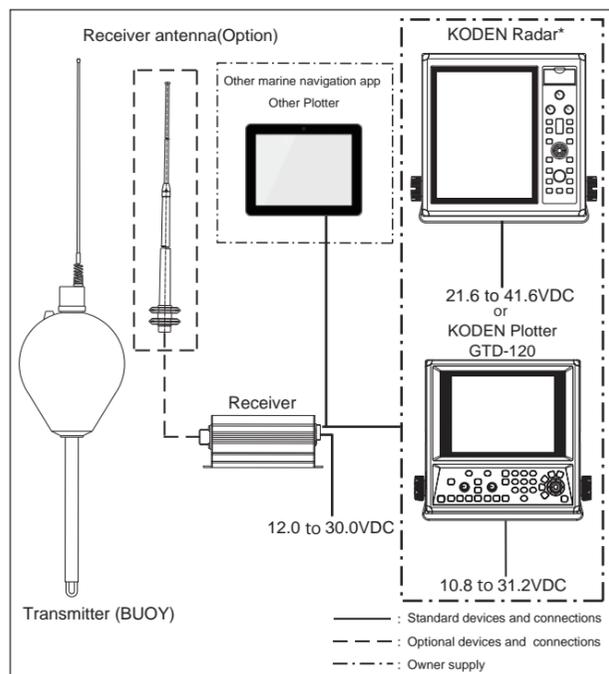
⚠ **Safety precaution** To ensure proper and safe use of the equipment, please carefully read and follow the instructions in the Operation Manual.

For details, please contact:

20-10, Printed in Japan

KODEN

27MHz GPS Buoy
PKP-27

Clear buoy display
utilizing chart plotter and radar display.
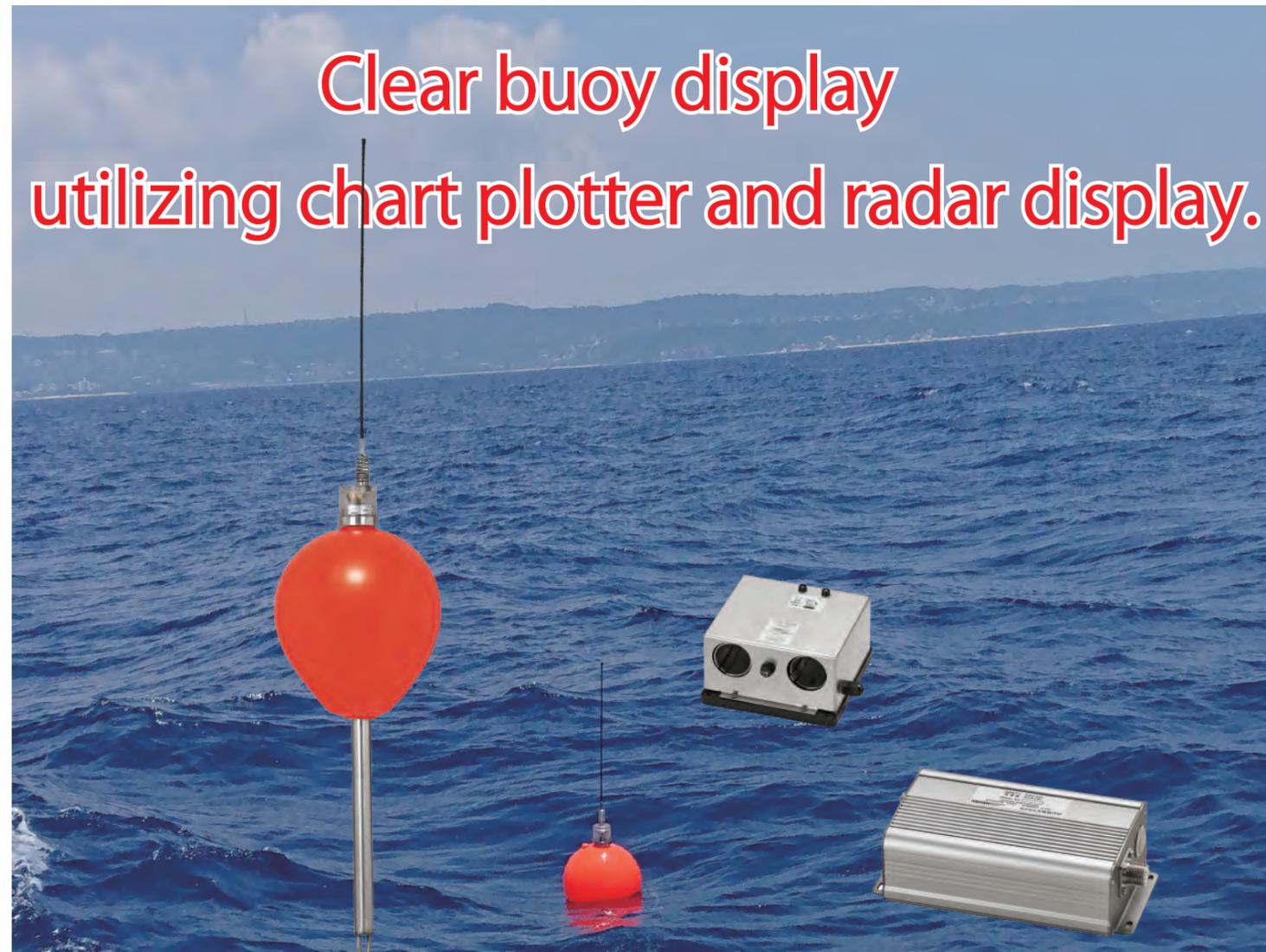
Features

▶ Buoy position clearly shown on your chart plotter and radar.*

▶ More convenient functions with Koden GTD-120.
(Available to connect with 3rd party plotters.*)

▶ Easy installation and operation.

▶ Easy to find buoy Equipped with high brightness LED.

▶ Compact and light weight body design.

▶ Buoy position can be hidden from other vessels.

▶ Long operation time with Li-ion battery.

*Data output: NMEA0183 4800bps $RATLL, !AIVDM, $GBBLV sentence

Display buoy position on radar / plotter

New type GPS Buoy : PKP-27 will support your fishing.
・Unlike conventional buoys (PKP-27) equipped with GPS sensor.
・The buoy position can be more accurately determined by Lat/Lon of the buoy based on GPS information.
・ PKP -27 does not have a dedicated display unit. The plotter or radar you own will be the display unit.
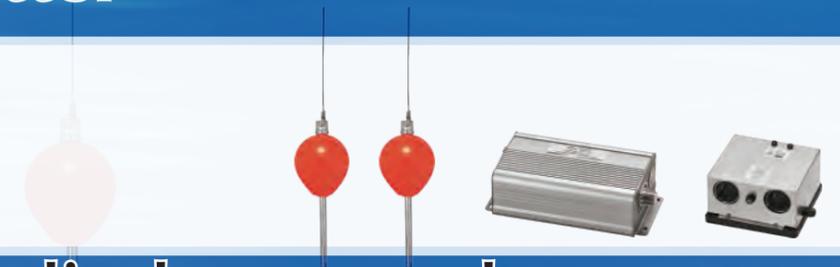
Plotter display example

It is more convenient to use with GTD -120.

・All received buoys are displayed, to see the trail of each buoy at a glance.
・Each buoy is color-coded individually, so you can easily see information for each buoy.
・Of course, you can infer the tide direction by the trail of buoy.
・Move the cursor on the buoy mark to display information of the buoy.

GTD -120 supports PKP-27 operation

The GPS buoy sends information such as "Lat/Lon" "Date and Time","Buoy ID" and "remaining battery voltage". GTD -120 uses that information to calculate the buoy's speed and course, giving you more useful information.

Alarm helps monitor the condition of buoy

The minimum distance and maximum distance between buoys can be set on abovemenu. GTD-120 notify with alarm sound if the distance is too close or too far.

(ex. Minimum distance is 0.5NM, maximum distance is 10NM)

Radar display example

The buoy can be displayed on your radar.

・By displaying the GPS buoy on the radar, you can see the position and movement of GPS buoy more intuitively.
・As with GTD -120, each buoy is automatically colored, and the buoy information can be checked on radar menu.
・If you already have the following radars, you can start using PKP-27 right away by connecting receiver with the receiving antenna to the radar and put the Transmitter (BUOY) into the sea. (Software update may be required.)

[Applicable model]
MDC - 5000/5200/5500/7000/7900 series

3rd party Plotter

3rd party Plotter

Available to connect with 3rd party plotters.*

*Data output: NMEA0183 4800bps
$RATLL, !AIVDM, $GBBLV sentence