



KANNAD 406 XS-2 GPS on option

Personal Locator Beacon PLB (land, air, sea)



20 years of experience

Kannad 406 XS-2 with the GPS on option is a Personal Locator Beacon (PLB) produced by Martec Serpe-lesm, proud of an experience of nearly 20 years in the 406 MHz industry with the KANNAD range of Epirbs.

COSPAS-SARSAT

COSPAS-SARSAT is a global distress warning system operating in the 406.0 - 406.1 MHz frequency range consisting of :

1. Distress beacons (EPIRBs)
2. Satellites on 100 minute polar orbit (LEOSAR) and Geostationary satellites (GEOSAR).
3. Local User Terminals (LUTs)
4. Mission and Rescue Control Centers (MCCs and RCCs).
5. Search And Rescue Services (S.A.R.)

Advantages

- ▶ COSPAS -SARSAT PLB LAND AIR SEA
- ▶ LIGHT AND COMPACT
- ▶ ALERT VIA COSPAS SARSAT SATELLITES
- ▶ UNIQUE IDENTIFICATION
- ▶ WORLDWIDE DISTRIBUTION AND SERVICE NETWORK

GPS on option

- ▶ GPS ACCURACY 
- ▶ INSTANT ALERT THANKS TO GEOSTATIONARY CONSTELLATION



A COSPAS-SARSAT PLB

The Personal Locator Beacons KANNAD 406 XS-2 and KANNAD 406 XS-2 GPS comply with class 2 of the Cospas Sarsat global system.

Each beacon is programmed with a unique serialised number that must be registered with national authorities to identify the owner of the beacon and its domain of application (land, air sea). This information is absolutely necessary for Search And Rescue (SAR) operations to gain precious time.

A micro beacon for your safety

A beacon that fits easily inside a bag, pocket, a life jacket or flying suit.

This beacon is watertight and buoyant thanks to its neoprene pouch designed to fit on a belt or a survival suit.

Kannad 406 XS-2 advantages

Easy to operate

By breaking the tamperproof seal to slide the switch down to position ON.

Personalised distress alert

The distress signal with the beacon unique ID is quickly processed via the Cospas-Sarsat satellites that calculate its position to one nautical mile to organise the Search And Rescue (SAR) operations according to the type of distress (land, air sea).

The GPS on option



Thanks to the GPS option, the alert to the geostationary constellation is immediate (**within 5 minutes typical**) with a very precise position of less than 100 metres.

References

The Kannad 406 XS-2 et XS-2 GPS have proved their efficiency at sea in offshore races, in rallye raids like the Paris Dakar and for light and ultra light aircraft. KANNAD beacons have contributed and continue to save lives in hostile and remote areas.

A reliable worldwide maintenance network

Wherever you are, you benefit from an international service and maintenance network that also provides advice on how to get the best out of your beacon.



TECHNICAL SPECIFICATIONS

406 MHz Satellite transmission

406.028 MHz ± 0.001 MHz
5W +/- 2dB
Biphase L modulation
440 ms every 50s

121.5 MHz Homing transmission

Frequency : 121.5 MHz ± 0.003 MHz
Output power : 25mW -0 +6dB
Modulation : 3K20A3N
Continuous transmission

Power supply

Lithium battery pack (LiMnO2)
Over 24 hours at - 20°C

Service

Battery replacement with original spare parts every 5 years from battery production date by Martec Serpe-lesm authorized agents also equipped to test good operation in real transmission.

Programming

All protocols according to C/S T.001
PLB, EPIRB and ELT (where authorised). Refer to national regulations.

Activation

Manual

Control panel

OFF / ON switch
Test push button
Bright red LED

Self test

406 MHz RF power
Battery voltage
VCO lock

Temperature range

Operating : -20°C to +55°C
Storage : -40°C to +65°C

Mechanics

Molded plastic
Color : yellow (color compounded)

Weight & dimensions

320gr (0.70 lb.) with antenna
Housing : 154 x 70 x 34mm (6.06 x 2.75 x 1.34 in)
(with antenna stowed)

Accessories

Red neoprene buoyant pouch

Test & certification

Type : Personal Locator Beacon (PLB)
COSPAS-SARSAT APPROVAL N°138
R&TTE 0191

OPTION GPS

406 MHz Satellite transmission

520 ms every 50s for GPS option

Built-in GPS receiver

12 Channels

Band L1 / CA

Position updated every 20 minutes in compliance with Cospas-Sarsat specifications

Self test

GPS

Weight & dimensions

380gr (0.84 lb.) with antenna GPS option



Distributed by

