

Kannad 406 XS³ GPS

Multi environment PLB



Personal Locator Beacon



Advantages

- Integrated GPS for utmost precision (less than 120 meters)
- Immediate alert and identification (5 minutes)
- Innovative and ergonomical design
- A light and compact beacon
- Warrantee 5 years

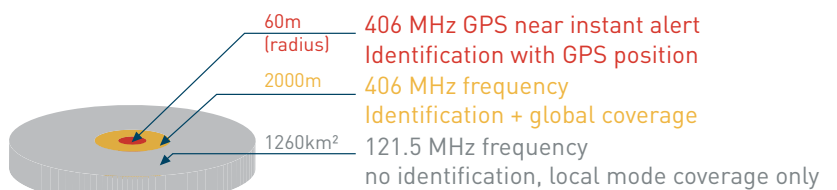
Over 20 years of experience PLB - EPIRB - ELT

Kannad 406 XS-3 GPS is Kannad's 3rd generation of Personal Locator Beacons, (PLB)s. Because life is precious Kannad has selected the version with integrated GPS as unique model.

COSPAS-SARSAT

Cospas-Sarsat is a global distress warning signal operating in the 406.0-406.1 MHz frequency range consisting of:

1. Distress beacons
2. Satellites in polar orbit and geostationary satellites
3. Ground stations
4. Mission and Rescue control centers
5. Search And Rescue Services (S.A.R.)



A personal COSPAS-SARSAT beacon with built-in-GPS

The manually activated Personal Locator Beacon, Kannad 406 XS-3 GPS, complies with class 2 of the Cospas-Sarsat global system.

Each beacon is programmed with a unique serialised code that must be registered with national authorities.

This enables the identification of the beacon owner as well as the environment where the beacon is used (land, air, marine). This information is vital for search and rescue operations to gain precious time.

A personal beacon to take in hostile environment

The beacon easily fits inside a bag, pocket, life jacket, flying or survival suit. It comes with an attractive and very resistant pouch for multi-environmental use.

The beacon is buoyant, watertight and remains attached to its pouch.

The beacon is watertight to 10 metres (5mn) according to specifications ETSI 300 066, IEC 61097-2, RTCM SC110 (USA), TP4522 (Canada).

A light and compact beacon, oval shaped with no sharp edges, designed for the palm of your hand. The beacon lies naturally flat on the ground for optimum use in hostile conditions.

The antenna is easily unfolded when the beacon is used. An advantage is that the antenna folds back into place around the housing for protection.



Easy to operate and test



Test

Activation

References

The Kannad 406 XS beacon range has proven its efficiency in offshore races, rally Raids like the Paris Dakar, light aviation and ULM.

The KANNAD beacons contribute in the saving of numerous lives in remote and hostile environment worldwide.

A reliable worldwide maintenance network

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



TECHNICAL SPECIFICATIONS

406 MHz Satellite transmission

406.028 MHz ± 0.001 MHz
 5W +/- 2dB
 Biphasic L modulation
 440 ms every 50s
 520 ms every 50s for GPS option

121.5 MHz Homing transmission

Frequency: 121.5 MHz ± 0.003 MHz
 Output power: 50mW (± 3 dB)
 Modulation: 3K20A3N
 Continuous transmission

Built-in GPS receiver

12 Channels
 Band L1 / CA
 Position updated every 20 minutes in compliance with Cospas-Sarsat specifications

Power supply

Non hazardous Lithium batteries (LiMnO₂),
 Over 24 hours at - 20°C

Service

Battery replacement with original spare parts every 6 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
 ON push button
 Bright green LED and buzzer

Test

Test push button
 Bright red LED and buzzer
 Self test
 406 MHz RF power
 Battery voltage
 VCO lock
 GPS

Temperature range

Operating: -20°C to +55°C
 Storage: -30°C to +70°C

Material

Molded plastic, Valox, resistant to shocks
 Colour: yellow compound

Weight and dimensions

295gr (0,65lb.)
 Housing: 132 x 88 x 45mm (5.197x 3.465 x 1.772)

Accessories

Black polyamide buoyant pouch

Approvals

COSPAS-SARSAT TAC N°180
 R&TTE

CE 01910
 FCC

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