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

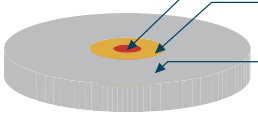
Over 20 years of experience PLB - EPIRB - ELT

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.)



406 MHz GPS near instant alert
Identification with GPS position

406 MHz frequency
Identification + global coverage

121.5 MHz frequency
no identification, local mode coverage only

KANNAD

www.kannad.com

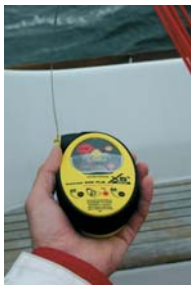
Kannad 406 XS-3 GPS

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.

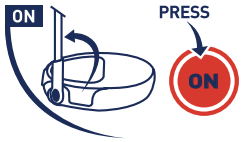
A personal beacon to take in hostile environment



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
Biphase 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 (±3dB)
Modulation: 3K2OA3N
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 0191
FCC

Distributed by

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