



# KANNAD 406 PRO GPS



## 20 years of experience

KANNAD 406 PRO GPS is a float free Epirb produced by Martec Serpe-lesm, proud of an experience of nearly 20 years in the 406 MHz industry with the KANNAD range of Epirbs.

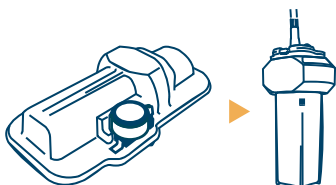
## COSPAS-SARSAT

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 EPIRB FOR GMDSS APPLICATIONS
- ▶ INSTANT ALERT THANKS TO GEOSTATIONARY CONSTELLATION
- ▶ GPS ACCURACY AND UNIQUE IDENTIFICATION
- ▶ WORLDWIDE DISTRIBUTION AND SERVICE NETWORK



## COSPAS-SARSAT, IMO and GMDSS compliance

KANNAD 406 PRO float free satellite EPIRB (Emergency Position Indicating Radio Beacon ) complies with class 1 and class 2 of the Cospas Sarsat global system and mandatory GMDSS carriage requirement ( Global Maritime Distress and Safety System) **with the GPS on option.**

KANNAD 406PRO float free EPIRB also complies with IMO resolution concerning guidelines for avoiding false distress alerts (separate test button, manual and automatic activation systems, water activation, float free container).



## A professional Epirb

- Float free container with H 20 auto release system to release the beacon at a depth of between 1 and 4 meters.
- Automatic activation with water contact as soon as the Epirb is submerged.
- A Unique ID to identify the vessel in distress.
- Instant alert thanks to the geostationary constellation within 5 minutes and quick identification via the global Cospas Sarsat system to organise appropriate rescue operations.

## KANNAD 406 PRO GPS advantages

- A GPS option for accurate positioning.
- A super led flash in addition to the 121,5 MHz homing frequency to help the rescue team in its final approach.
- A TCXO oscillator and intelligent PCB to save energy.
- Manual activation thanks to a user friendly keyboard.
- A floating collar for perfect buoyancy to guarantee optimal operation even in worse conditions.
- A float free container with full compatibility with the KANNAD 406 WH Epirb.
- A KANNAD 406 PRO GPS beacon compatible with the WH container for cost saving decommissioning.



## Leisure market

Inside a survival container, it becomes Kannad 406 PRO SV W GPS, a smart survival category 2 beacon, suitable for the leisure market with the benefits of truly professional features.

## A reliable worldwide maintenance network

Our service network all over the world provides recoding and battery replacement, easy and quick maintenance facilities to offer extensive reliability to ships sailing around the world. The Kannad 406 EPIRBs lead the field with numerous approvals worldwide and have proven to be the best choice in the long term.

## GENERAL

Message formats	National location, Standard location
Programming	Via RS232 Optical pen
Temperature	Operating -20°C to +55°C Class 2 Storage -30°C to +70°C
Battery life	5 years LiMnO2
Autonomy	48 hours at -20°C
Epirb dimensions	Ø 147/285mm w/o antenna
Antenna	410mm
Weight	1.4Kg
Container dimensions	435 x 217 x 132.5mm
Weight	1.2Kg

## ELECTRONICS

### 406.028 MHz transmitter

Frequency	406.028 MHz ±1kHz
Output power	5W ±2dB
Modulation	Biphase L1.1 ±0.1 radians

### 121.5 MHz transmitter

Frequency	121.5 MHz ±3kHz
Output power	50 mW ±3dB PERP
Modulation	A.M. 1400Hz to 500Hz
Antenna type	Flexible vertical monopole
Characteristics	Vertically polarised, omnidirectional

### GPS Receiver

Centre frequency	Band L1 1.57542 GHz
Maximum number of satellites	12
Antenna Type	Ceramic dielectric patch
Characteristics	RH Circular Polarised, +3dB i nominal

### Super Led flash

Type	Super LEDs
Intensity	0.75 Candela
Rate	20 flashes per minute

### SATELLITE ALERT

Typical alert time	GEOSAR 05 minutes typical LEOSAR 90 minutes typical
Precision	Typically 30 meters
Positions transmitted via Cospas-Sarsat system	4 second resolution

### APPROVALS

COSPAS- SARSAT N° 149  WHEELMARK N° SMS W I CE D/13481/B3  BV0062

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