



# KANNAD 406 Auto



20 years of experience in 406 MHz

Martec Serpe-lesm offers to-day the most accomplished range of Kannad 406 beacons with original and innovative features.

## COSPAS-SARSAT

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

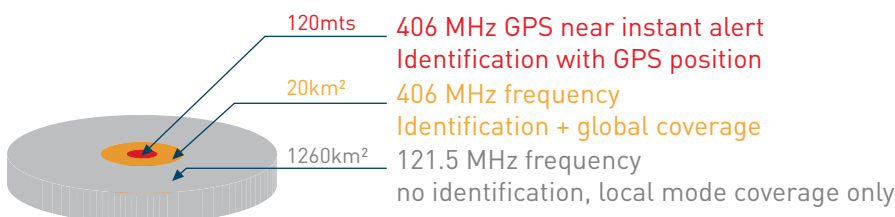
1. Distress beacons (EPIRBs)
2. Satellites on 100 minute polar orbit (LEOSAR) and Geostationary satellites (GEOSAR).
3. Local User Terminals (LUTs)
4. Mission and Rescue Control Centers (MCCs and RCCs).
5. Search And Rescue Services (S.A.R.)

## Advantages

- ▶ COSPAS-SARSAT EPIRB FOR GMDSS, FISHING, PASSENGER VESSELS, ...
- ▶ NON HAZARDOUS BATTERIES
- ▶ ALERT VIA COSPAS-SARSAT SATELLITES
- ▶ UNIQUE IDENTIFICATION

## GPS on option

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



## COSPAS-SARSAT, IMO and GMDSS compliance

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

## A professional Epirb

- A smart, ergonomic float free container with H 20 release system to release the beacon at a depth of between 1 and 4 meters should boat sinks. It is also designed to be manually activated.
- A Unique ID to identify the boat in distress.
- Quick and precise alerting with GPS option
- 3 activation modes:
  - Automatic release from container
  - Manually by throwing overboard (activation when submerged)
  - Manually by pressing ON switch.



## KANNAD 406 Auto advantages

- A compact container
  - A visible release system
  - Simple and easy activation
  - Reinforced buoyancy
  - A super led flash
  - A TCXO oscillator
  - Innovative architecture (no screw)
  - Non hazardous high energy batteries
  - Easy and reliable programming
- Easy Epirb installation
  - Easy to control for increased safety
  - A must in an emergency
  - Guarantees stability in heavy seas
  - For better visibility
  - Latest generation to save energy
  - Easy maintenance
  - For all transport mode
  - With an innovative light guide on PCB

## A complete range of KANNAD beacons

### KANNAD 406 Manual+ with built-in GPS on option

Professionals, Offshore sailing, Super yachts,...  
2 activation modes: water switch and manual

### KANNAD 406 Manual with built-in GPS on option

Small and very small boats, wet environment  
Manual activation only

## 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 the sailing community 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 optical pen (MMSI, serial, radio call sign)
Temperature	Operating: -20°C to +55°C Class 2 Storage: -30°C to +70°C
Power supply:	Non-hazardous lithium battery pack (LiMnO2)
Battery life	6 years
Battery replacement	every 5 years (MSC/Circ.1039)
Autonomy	48 hours at -20°C
Epirb dimensions	Ø 140/380mm (antenna deployed)
Weight	1kg (980g without GPS)
Container dimensions	210 x 367 x 152mm
Weight	1,030kg

## 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
AntennaType	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	LEOSAR 90 minutes typical GEOSAR 05 minutes typical
Precision	LEOSAR up to 2NM GEOSAR up to 120mts
With GPS	

## APPROVALS

COSPAS-SARSAT certificate: TAC 162  
WHEELMARK (EU MED)  BV0062

## Distributed by

