



KANNAD 406 PRO SV W



20 years of experience

KANNAD 406 PRO SV W is a survival beacon for the GMDSS and leisure market, 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 :

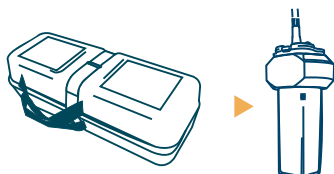
1. Distress beacons (EPIRBs)
2. Satellites on 100 minute polar orbit (LEOSAR) and Geostationary satellites (GEOSAR).
3. Local User Terminals (LUTs)
4. Mission and Rescue Control Centers (MCCs and RCCs).
5. Search And Rescue Services (S.A.R.)

Advantages

- ▶ COSPAS-SARSAT EPIRB FOR GMDSS APPLICATIONS AND THE LEISURE MARKET
- ▶ ALERT VIA COSPAS SARSAT SATELLITES
- ▶ UNIQUE IDENTIFICATION
- ▶ WORLDWIDE DISTRIBUTION AND SERVICE NETWORK

GPS on option

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



Experts in electronics and communications for severe environments

COSPAS-SARSAT, IMO and GMDSS compliances

GMDSS Application

KANNAD 406 PRO SV W SURVIVAL satellite EPIRB (Emergency Position Indicating Radio Beacon) complies with class 2 of the Cospas Sarsat global system and GMDSS carriage requirement for a manually activated beacon (Global Maritime Distress and Safety System) **with the GPS on option.**

KANNAD 406 PRO SV W SURVIVAL beacon also complies with IMO resolution concerning guidelines for avoiding false distress alerts (**separate test button**, manual and water activation).



Leisure market

KANNAD 406 PRO SV W

a truly professional beacon in a smart survival bracket for the leisure market.

Easy to activate :

By removing the beacon from its bracket, breaking the tamper-proof seal and pressing the ON button or when time is counted by throwing the beacon in water for automatic activation after securing with the lanyard provided.

The beacon Unique ID is quickly processed via the Cospas Sarsat satellites global system to organise the rescue operations according to the type of vessel and number of passengers on board.

KANNAD 406 PRO SV W advantages

- 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
- Water activation thanks to water contact
- A floating collar for perfect buoyancy to guarantee optimal operation even in worse conditions
- Full compatibility with the KANNAD 406 WH container for cost saving decommissioning

GPS on option



- Thanks to the GPS option, the alert to the geostationary satellites is instant (**within 5 minutes typical**)
- A GPS option for accurate positioning

Reliable worldwide maintenance network

Wherever you are a RELIABLE WORLDWIDE MAINTENANCE NETWORK within reach

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	MMSI, Serialised, Radio Call Sign
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
Epirb dimensions	Ø 147/285mm w/o antenna
Antenna	410mm
Weight	1.4Kg
Container dimensions	385 x 160 x 120mm
Weight	60g

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
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
Position accuracy	Without GPS 2 NM typical

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

APPROVALS

COSPAS- SARSAT N° 151 SV W	
N°149 SV W GPS	
WHEELMARK N° SMS W I CE D/13481/B3	
BV0062	

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