

# Kannad 406 Manual+



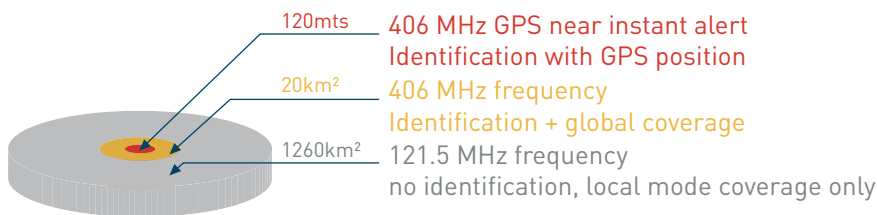
Credit photo - Audélor

## Advantages

- Cospas-Sarsat Epirb for GMDSS, Professional, Offshore sailing, super yachts, etc.
- Non hazardous batteries
- Alert via Cospas-Sarsat satellites
- Unique identification
- Warrantee 5 years

## GPS option

- GPS accuracy
- Instant alert thanks to geostationary constellation



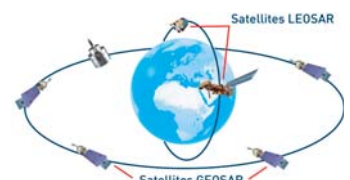
## 20 years of experience in 406 MHz

KANNAD 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.)



## COSPAS-SARSAT, IMO and GMDSS compliance

**Kannad 406 Manual+** satellite EPIRB (Emergency Position Indicating Radio Beacon ) complies with class 2, category 2 of the Cospas Sarsat global system and GMDSS carriage requirement for a manually activated beacon (Global Maritime Distress and Safety System) **with GPS option.**

## A performing Epirb for the professional and leisure markets

- An ergonomic bracket made of ASA (Acrylonitrile Styrene Acrylic) for easy installation on board
- A Unique ID to identify the vessel in distress.
- Quick and precise alerting with GPS option
- 2 activation modes:
  - By throwing overboard (activation when submerged)
  - manually by pressing ON switch



## Kannad 406 Manual+ advantages

- Ergonomic bracket
- Small size
- 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 installation and transportation
- Fits in emergency grab bag
- 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 Auto with built-in GPS option

for GMDSS, Fishing, Passenger vessels, etc.  
Supplied in a float free container for automatic activation

### Kannad 406 Manual with built-in GPS option

Small and very small boats, wet environment  
Manual activation only

## A reliable worldwide maintenance network

KANNAD 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<br>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)                                       |
| Wall mounting bracket | ASA (Acrylonitrile Styrene Acrylic)                          |
| Dimensions            | 134 x 196 x 127mm  |
| Weight                | 180g   |

## 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 | LEOSAR 90 minutes typical<br>GEOSAR 05 minutes typical |
| Precision          | LEOSAR up to 2NM<br>GEOSAR up to 120mts                |
| With GPS           |  |

### APPROVALS

COSPAS-SARSAT certificate: TAC 162  
WHEELMARK (EU MED)  BV0062  
FCC  
Industry Canada  
CCS (China)  
RRS (Russia)

## Distributed by

