

XS-4 GPS

Personal Locator Beacon

ultimate lifeline



KANNAD beacons have contributed to the saving of many pilots and crews around the world.

KANNAD, high quality and high performance distress beacons selected by the world most famous aircraft builders and airlines companies.

The smallest and lightest PLB on the market !

- The only PLB that fits into the pilot's pocket !
- Easy and intuitive activation
- Perfect to carry in addition to your onboard ELT installation
- Subscription free and no call charges
- 5 year replaceable battery
- 406 MHz international messaging & 121.5 MHz homing signal
- SOS Morse LED flash light
- Minimum of 24 hours continuous operation

COSPAS-SARSAT

The Cospas-Sarsat System is the only system to provide distress alerts and location data of 406 MHz beacons activated anywhere in the world.

The distress signal is relayed by the Cospas-Sarsat LEOSAR satellites to the ground stations (LUT) that calculate its position thanks to the Doppler Effect. With a built-in GPS, the GEOSAR satellites receive the signal and position within 5 minutes.

The Mission Control Center (MCCs) network processes the information and informs the nearest Rescue Coordination Center (RCC) so that SAR authorities can organize rescue operations.

Manage your beacon and get extra advantages !

- Register on our dedicated web site to get 5 year warranty (2 years + 3 years)
- Free access to beacon history (next maintenance date, battery life...)
- Programmer-friendly, easy coding of the beacon

manageyourbeacon
www.manageyourbeacon.com



KANNAD

AVIATION SAFETY



Perfect to carry in addition to your onboard ELT installation !

The ground breaking new XS-4 GPS Personal Locator Beacon is a compact and versatile 406 MHz emergency location beacon.

Subscription free, global alert and rescue

The XS-4 GPS transmits two signals simultaneously, one to the subscription free Global 406 MHz international Search And Rescue (SAR) satellite system. The other (121.5 MHz) is a homing signal designed to speed up the local recovery response process. Once activated, the signals will continue to transmit for at least 24 hours. The powerful 406 MHz 5 watt output transmission ensures that a call for help gets through to the international SAR authorities whatever the conditions.

Activating the XS-4 GPS

1) Pull the antenna cover off IMPORTANT

The antenna cover is an anti-tamper seal, once broken it cannot be refitted.



2) Unwrap the antenna until it stands vertical



3) Press the ON button

When the PLB is active, pressing the ON button will cause the indicator light to flash a Morse code SOS pattern. This can be used to attract attention after nightfall. The SOS pattern is repeated four times on each press.



Kannad PLB Comparison

| Kannad PLBs Features | XS-4 GPS PN 1202394 | XS-ER GPS PN 1202393 |
|-----------------------------|--|--------------------------------|
| Buoyant | No*, Category 2 * with buoyancy kit | Yes, Category 1 |
| Waterproof | Immersion to 10 m (30 mins) | Immersion to 10 m (30 mins) |
| Run time (minimum) | 24 hours | 48 hours |
| Battery type | Internal (dealer service) | User replaceable |
| Battery storage | 5 years | 5 years |
| Temperature range (Use) | -20 C to +55 C | -20 C to +55 C |
| Temperature range (Storage) | -30 C to +70 C | -30 C to +70 C |
| Beacon transmitter | 406 & 121.5 MHz | 406 & 121.5 MHz |
| Beacon self test | Yes | Yes |
| GPS Self test | Yes (with position fix) | Yes (without position fix) |
| Signaling lamp (SOS LED) | Yes | No |
| Weight | 150g | 300g |
| Size | S x W x L 34 x 47 x 106 mm | 54 x 78,4 x 146 mm |

A reliable worldwide maintenance network

KANNAD Worldwide service network provides recoding, batter replacement and maintenance by highly skilled technicians trained offering prime service to the PLB and ELT owners all over the world.

TECHNICAL SPECIFICATIONS

| | |
|-------------------------|--|
| STANDARDS | COSPAS-SARSAT |
| ENVIRONMENTAL | |
| Exterior Finish | Highly visible yellow |
| Sealing | Waterproof to 10m (30ft) (IP 58, IPX8) |
| Operating temperature | Class 2 -20°C to +55°C (-4°F to +131°F) |
| Storage temperature | Class 2 -30°C to +70°C (-22°F to +158°F) |
| Altitude | 12 192 m (40,000 ft) |
| BATTERY | |
| Battery type | 6V Lithium Metal |
| Battery storage | 5 years |
| Battery replacement | By service station |
| Battery use | Logged by microcontroller. |
| OPERATION | |
| Activation | Three stage manual activation |
| Self test | Tests transmitters, battery and light |
| SOS flash light | Morse code SOS pattern (30 operations allowed) |
| TRANSPORTATION | |
| Air cargo | UN 3091, not restricted IATA SP 188 - PI 970 |
| ELECTRICAL | |
| 406.037 MHz transmitter | ± 1KHz, 5W ± 2dB |
| 121.5 MHz transmitter | ± 3KHz, 50mW ± 3dB PERP |
| Transmit Antenna | Deployable flexible vertical blade |
| Programming | Optical Infra-red link interface |
| PHYSICAL | |
| XS ⁴ GPS | Category 2, will not float |
| Size (D x W x L) | 34 x 47 x 106 mm (1.34" x 1.85" x 4.17") |
| Weight | 150g (5.3 oz) |
| Receive Antenna | Ceramic Patch |
| GPS Self test | Position acquisition test (10 operations allowed) |

A XS-4 PLB is not an ELT or an EPIRB and does not meet the regulatory requirements for an ELT or an EPIRB.

APPROVALS

For complete list of approvals, go to KANNAD website www.kannad.com

PART NUMBERS PLBs

| | |
|---------|---|
| 1202394 | KANNAD XS-4 GPS |
| 1202395 | KANNAD XS-4 GPS (For Australia, delivered with buoyancy kit) |
| 1202393 | KANNAD XS-ER GPS |

ACCESSORIES

| | |
|---------|-----------------------------------|
| 1202396 | KANNAD XS-4 GPS Wrist Lanyard Kit |
| 1202397 | KANNAD XS-4 Neck Lanyard Kit |
| 1202398 | KANNAD XS-4 Belt Pouch Kit |
| 1202399 | KANNAD XS-4 Buoyancy Kit |
| 1202400 | KANNAD XS-4 Universal Pouch |

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