

XS-ER GPS

Personal Locator Beacon

ultimate lifeline

NEW



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.

Longer transmission time !

- Minimum of 48 hours continuous operation!
- Compact, light weight, small size
- Easy and intuitive activation
- Waterproof to 10 meters and buoyant
- 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

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-ER GPS Personal Locator Beacon is a compact and versatile 406 MHz emergency location beacon.

Subscription free, global alert and rescue

The XS-ER GPS transmits two signals simultaneously, one to the subscription free Global 406 MHz international Search And Rescue (SAR) satellite system. The other (121.5MHz) 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.

XS-ER: Extended Range brings more safety

The new XS-ER GPS brings added dimensions to safety with 48 hour operational battery life from activation at temperatures as low as -20°C.

A unique antenna deployment system

XS-ER GPS has unique discreet antenna deployment system with simple three-stage manual operation to prevent any risk of accidental or false activation. In its stored state, the antenna is completely hidden from view and fully protected against rough handling. Once deployed, the antenna automatically springs into the optimum position ready for use.

Activating the XS-ER PLB



Intuitive, easy three-stage operation:

Lift flip cover and Pull anti-tamper cover to deploy the antenna, push and hold ON button to activate the PLB.

GPS integrated as standard

XS-ER GPS integral 12 channel GPS navigation receiver gives a typical positional accuracy of +/- 62 meters and new position updates every 20 minutes, significantly reducing the normal search area down from a 28sq nm area, when given a clear view skyward. It also has a visual indication of GPS position acquisition.

Kannad PLB Comparison

Kannad GPS PLB Features	XS-ER GPS PN 1202393		XS-4 GPS PN 1202394	
Buoyant	Yes, Category 1		No*, Category 2 * with buoyancy kit	
Waterproof	Immersion to 10 m (30 mins)		Immersion to 10 m (30 mins)	
Run time (minimum)	48 hours		24 hours	
Battery type	User replaceable		Internal (dealer service)	
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 (without position fix)		Yes (with position fix)	
Signaling lamp (SOS LED)	No		Yes	
Weight	300g		150g	
Size	54 x 78,4 x 146 mm		34 x 47 x 106 mm	

A reliable worldwide maintenance network

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

TECHNICAL SPECIFICATIONS

STANDARDS	COSPAS-SARSAT
Message formats:	PLB National, Standard, and User Location Protocol as applicable, plus serial user (non-GPS version)
PLB temperature range:	
Operating:	-20°C to + 55°C
Storage:	-30°C to +70°C
Battery life:	5 years storage from date of manufacture
Operating life:	48 hours (minimum)
Weight approx.	0.3 kg (10 oz)
406 MHz transmitter	Frequency: 406.037 MHz
Output power:	5 Watts +/- 2 dB
Modulation:	Biphase L 1.1 +/- 0.1 radians
121.5 MHz transmitter	Output power: 50mW +/- 3db PERP
Modulation:	AM, up or down swept tone
Programming interface:	Infra-red diode
Size (D x W x L)	54 x 78,4 x 146 mm (2,12" x 3,08" x 5,74")

Integral GPS

Number of satellites tracked:	12
Typical accuracy	+/- 62 metres
	20mins. position updates
GPS Antenna:	Ceramic dielectric patch

APPROVALS

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

PART NUMBERS

PLB

1202393	KANNAD XS-ER GPS
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ACCESSORIES

1202401	KANNAD XS-ER GPS BATTERY PACK
1202402	KANNAD XS-ER GPS FLIP COVER
1202403	KANNAD XS-ER GPS LANYARD

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