

KANNAD SAFELINK SOLO PERSONAL LOCATION BEACON

A lifesaving distress beacon with buoyancy pouch included, designed for marine enthusiasts and adventurers. The SafeLink Solo is the world's first Galileo PLB, offering accelerated location detection with GPS and Galileo GNSS receivers.

The Safelink Solo from Orolia Maritime, is a MEOSAR compatible personal location beacon used on land and sea to provide direct access to the world's Search and Rescue professionals via the dedicated 406MHz frequency. The world's first multi constellation PLB, the Solo uses both GPS and Galileo receivers to increase global detection coverage, offer precision location coordinates and accelerate the rescue process.



World's first
multi GNSS PLB:
contains Galileo
& GPS for greater
global coverage
& faster location
detection.



HOW IT WORKS

The SafeLink Solo PLB works by transmitting an emergency signal via the dedicated 406 MHz distress frequency, which is monitored by the global COSPAS-SARSAT satellite system, alerting international search and rescue services to the emergency situation and the ID of the PLB user. In addition, the integral 50 channel GNSS receivers give search and rescue services accurate location coordinates, updating them every 20 minutes. The SafeLink SOLO PLB also transmits on the 121.5 MHz homing frequency so that when the emergency services get close to your coordinates they can 'home in' on the signal even in reduced visibility.

Whatever your reason for being on the water; work, sport or hobby; carry a SafeLink SOLO PLB, your personal emergency location beacon. The SafeLink SOLO PLB, through the 406 MHz international search and rescue satellite system, enables you to get in touch with the emergency rescue services anytime and anywhere in the world. Once activated the SafeLink SOLO PLB will transmit constantly for a minimum of 24 hours, and will operate at temperatures down to -20°C. It also has an SOS LED flashing light that the user can switch on to aid rescue in the dark.

Safelink Solo PIB features

- MEOSAR Compatible
- World's First Galileo PLB
- Multi constellation GNSS for accelerated global location detection
- Internationally approved
- Subscription-free & no call charges
- Compact, light and durable
- Waterproof to 10m and buoyant when used with flotation pouch
- True global emergency alerting via COSPAS-SARSAT satellites, 406 MHz international distress signal and 121.5 MHz homing signal
- 50 channel integral GPS & Galileo GNSS
- Minimum of 24 hours continuous operation
- Simple 3 stage activation to help prevent accidental activation
- Operates at temperatures down to -20°C
- SOS LED flash light to support low visibility detection
- Self-test up to 12 times per year
- 5-year replaceable battery life
- Flotation pouch, lanyard and universal pouch included



TECHNICAL SPECIFICATIONS

Standards applied

COSPAS-SARSAT T.001/T.007 class2
 RTCM SC110 STD 11010.2
 ETSI EN 302-152-1
 AS/NZS 4280.2 NSS-PLB06

Environmental

Exterior Finish:
 Sealing: Temporary immersion to 10m (30 ft) for 5 mins. (IP 58, IPX7)
 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: MIL-STD-810E (10,000 feet)

Battery

Battery Type: 6V Lithium Metal
 Battery storage: 5 years
 Battery replacement: By service centre
 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
 Homer sweep direction: UP or DOWN
 Transmit Antenna: Deployable flexible vertical blade
 Programming: Optical Infra-red link interface

Physical

SafeLink SOLO: Category 2, will not float
 Size (D x W x L): 36 x 50 x 112mm (1.42" x 1.97" x 4.40")
 Weight: 165g (5.8oz)
 GPS: 50 channel
 Receive Antenna: Ceramic Patch
 GPS Self test: Position acquisition test (10 operations allowed)

Part Number

K91-001-310A SafeLink SOLO PLB (with GPS) retail pack

A SafeLink SOLO PLB is not an ELT or an EPIRB and does not meet the regulatory requirements for an ELT or an EPIRB.



Multi Constellation GNSS
 for precision global coverage



MEOSAR Compatible
 will work with the new MEOSAR Network

Works on the Cospas Sarsat Search & Rescue System

