

## SAFELINK EPIRB (WITH GPS)

### **406 Beacon Specification**

Meets the requirements of international standards:

IEC 61097-2 2008, IEC/EN 60945 Fourth edition (2002–08),  
ETSI 300 066 v1.3.1 (2001–01), RTCM SC110-77-2002-STCD,  
AS/NZS 4280.1:2003, RSS-287 Issue 1, February 2007.

### **Temperature**

Operating -20°C to +55°C Class 2

Storage -30°C to +70°C

Power supply Non-hazardous lithium battery pack (LiMnO<sub>2</sub>)

Battery storage life 6 years

Operational life 48 hours at -20°C

No. self tests 72 maximum, during 6 year battery life

### **EPIRB**

Dimensions 250 x 111 x 91mm

Weight 627g

### **Bracket**

Dimensions 111 x 43 x 91mm

Weight 52g

### **Float Free Container**

Weight 653g (1.38lb)

Dimensions 287.6 x 147.5 x 96.7mm

(11.29 x 5.78 x 3.77 in.)

Warranty 5 years

### **ELECTRONICS**

406.037 MHz transmitter

Frequency 406.037 MHz ±1kHz

Output power 5W nominal (37 dBm  $\pm$ 2dB)

Modulation 16K0G1D, Biphase L  $\pm$  1.1  $\pm$  0.1 radians 121.5 MHz transmitter

Frequency 121.5 MHz  $\pm$ 6kHz

Output power 50 mW (17dBm $\pm$ 3dB)

Modulation 3K20A3X

### **GPS Receiver**

Centre frequency Band L1 1.57542 GHz

Number of channels 20

### **Super Led flash**

Type Super LEDs

Intensity Average 1, 8 Candela

Rate 23 flashes per minute

### **APPROVALS**

For complete list of approvals, go to KANNAD MARINE website

[www.kannadmarine.com](http://www.kannadmarine.com)

U.S. Customers please note: This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

**AIS SART**

Automatic Identification System Search And Rescue Transmitter.

**Automatic Activation**

An EPIRB that is activated when it comes in contact with water.

**Automatic Deployment**

An EPIRB that is automatically released from its housing when the integral HRU is submerged.

**Category 1 EPIRB**

An EPIRB that is automatically deployed and activated when in contact with water. The EPIRB may also be manually deployed and activated.

**Category 2 EPIRB**

A manually deployed EPIRB. Once removed from its bracket this EPIRB will be automatically activated when in contact with water or can be manually activated.

**Class 1 EPIRB or PLB**

Rated to operate down to -40 degrees Celsius.

**Class 2 EPIRB or PLB**

Rated to operate down to -20 degrees Celsius.

**COSPAS-SARSAT**

International satellite system for search and rescue. A joint operation between France, Canada, Russia and the USA who monitor the 406 MHz satellite system.

**EPIRB**

Emergency Position Indicating Radio Beacon.

**FCC**

Federal Communications Commission (USA).

**GEOSAR**

Geostationary Search And Rescue system. Part of the COSPAS-SARSAT satellite system.

**GMDSS**

Global Maritime Distress and Safety System.

**HRU**

Hydrostatic Release Unit. A release mechanism activated by water pressure.

**IMO**

International Maritime Organisation.

**LEOSAR**

Low-altitude Earth Orbiting Search And Rescue system.

**LUT**

Local User Terminal. A ground receiving station that picks up the initial EPIRB signal and relays it to the Mission Control Centre. The LUT also calculates the position the signal was transmitted from.

**Manual Activation**

An EPIRB that is activated by the user.

**Manual Deployment**

An EPIRB that is released from its bracket by hand. McMurdo EPIRBs are available with either a manual "Carrysafe" bracket or an Auto Housing.

**MCA**

Maritime and Coastguard Agency (UK).

**MCC**

Mission Control Centre. The MCC manages satellite information from the LUT and sends an alert to the Rescue Coordination Centre for the region.

**MED**

Marine Equipment Directive. European certification for equipment that meets the standards required by the IMO and SOLAS.

**MOB**

Man Overboard.

**NOAA**

National Oceanic and Atmospheric Administration (USA).

**PLB**

Personal Locator Beacon.

**RDF**

Radio Direction Finder.

**RNLI**

Royal National Lifeboat Institute.

**SAR**

Search And Rescue.

**SART**

Search And Rescue Transponder.

**SOLAS**

Safety Of Life At Sea. Minimum standards of safety set out by the International Maritime Organisation.

**S-VDR**

Simplified Voyage Data Recorder.

**UIN**

Unique Identifier Number programmed into an EPIRB or PLB.

**USCG**

United States Coast Guard.

**Wheelmark**

Awarded to products that conform to International Maritime Organisation (IMO) type approval.