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E100/E100G

The SafeSea E100 & E100G EPIRBs have been designed and are engineered to meet the needs of all commercial, fishing and offshore recreational vessels

- Choice of GPS and non-GPS models
 - E100G EPIRB incorporates a state of the art 50 channel GPS receiver for fast and accurate position acquisition
- Manual bracket, manual release housing and float free housing options
- Extreme battery life even at low temperatures
 - In excess of 96 hours operation
- User replaceable batteries with five year replacement interval
- Intuitive operating controls protected from accidental activation
- Meets or exceeds all International standards
- Class 2 EPIRB (-20°C – +55°C) for general use
- Non hazardous battery

SafeSea EPIRBs operate in the 406MHz satellite band monitored by Cospas-Sarsat, the international satellite operator, ensuring a signal can be located wherever it is activated around the globe.

SafeSea EPIRBs are also fitted with a 121.5MHz homing beacon and a high brightness LED strobe light for fast on-scene location.

The SafeSea E100G EPIRB benefits from a dedicated built-in GPS which sends a highly accurate position, greatly reducing search time.

With the SafeSea EPIRB battery operating life being the highest in the industry an Ocean Signal EPIRB keeps rescue services updated with your location for longer.

Purchase

Find a Stockist (<http://oceansignal.com/stockists/>)

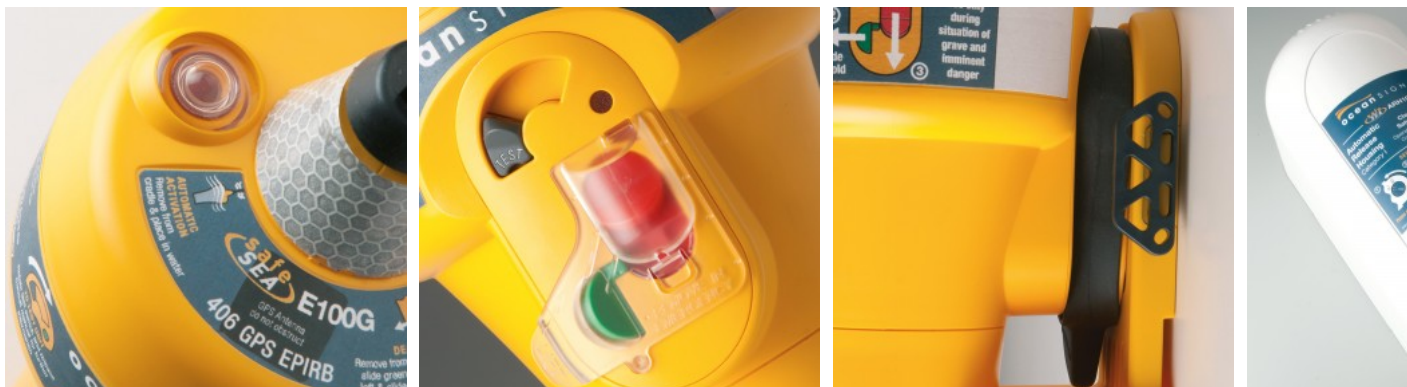
Product Selection (<http://oceansignal.com/comparison/>)

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Signal/245523582147931)



FREQUENTLY ASKED QUESTIONS

When I register my EPIRB or PLB is the 0 in the 15 digit HEX ID (UIN) the number 0, or the letter O?

The HEX ID consists of the numbers from 0 to 9 and the letters from A to F only. The character 0 is the number zero.

SPECIFICATIONS

406MHz Satellite Transmitter

Frequency	406.037MHz
Tolerance	±1kHz
Stability	2ppb/100ms
Output Power	5watts (nominal)
Modulation	Phase ±1.1radians (peak)
Emission Designator	16K0G1D

121.5MHz Homing Beacon

Frequency	121.5MHz
Stability	±50ppm
Output Power	25-100mW PERP
Modulation	Swept Tone AM
Emission Designator	3K20A3X
Modulation Depth	85-100%

Encoding	Bi-phase L
Data Rate	400bps
Duration	520ms

Sweep Range	400Hz – 1300Hz
Duty Cycle	35-55%

Low Duty Cycle Strobe Light

Light Type	Dual high intensity LEDs
Light Colour	White
Output Power	>0.75candela
Flash Rate	20-30 flashes per minute

GPS Receiver (E100G only)

Sensitivity Cold Start	-146dBm
Sensitivity Re-acquisition	-162dBm
Satellites channels tracked	50
GPS Antenna	Microstrip patch

Battery Type Lithium Primary

Chemistry	Manganese Dioxide (LiMnO2)
Operational Life (E100G Class 2 with LB2E)	typically 96hours
Replacement Interval	5years

Environmental

Operating Temperature Range	-20°C to +55°C
Storage Temperature Range	-30°C to +70°C
Automatic release depth	4metres (max)
Waterproof	>10metres at +20°C
Drop into water	20metres

Dimensions

Height (body)	212mm
Body Diameter (max)	106mm (113mm)

Standards and Approvals

Cospas-Sarsat	T.001 / T.007
IMO regulations	A.662(16); A.694(17); A.810(19)1; A.814(19)
International Standards Radio	IEC61097-2
International Standards EMC	IEC60945