

# 406 MHz EPIRB E3

Using state-of-the-art electronics and a Lithium battery, the McMurdo E3 406 MHz EPIRB combines the strength and durability required for a fully compliant GMDSS EPIRB with modern compact styling. The result is a fully featured EPIRB with a small mounting footprint.



- GMDSS compliant
- Global distress alerting
- Satellite location
- High intensity xenon strobe
- Small and light
- Fully enclosed housing available
- 6 year battery life\*

For GMDSS compliance, the E3 has a slimline fully enclosed float free housing which allows self testing of the EPIRB in situ. The E3 is also available with a quick release bulkhead mounting bracket for carry off situations.

\*from date of manufacture

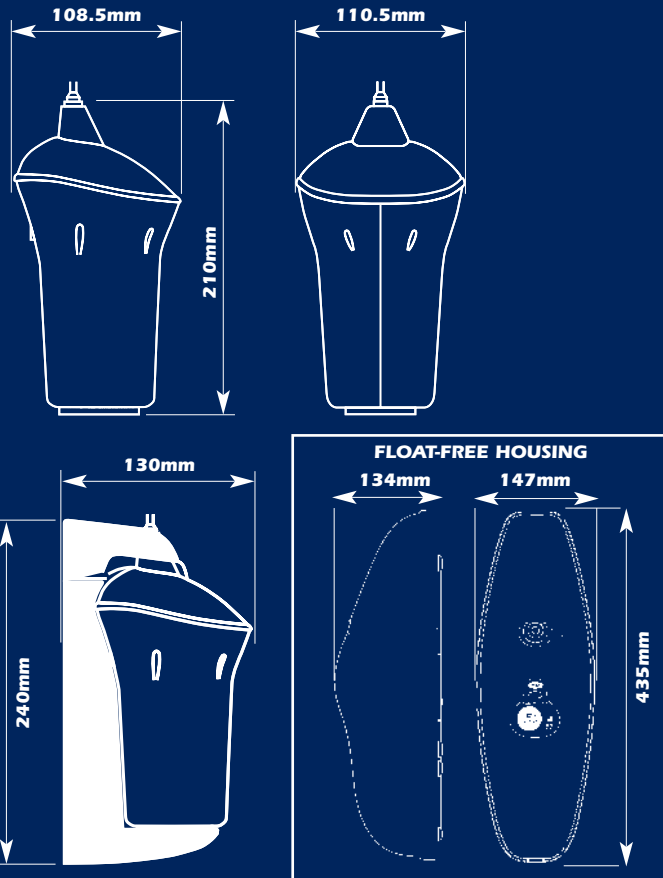


Wheelmark Approved



# technical specifications

## 406 MHz EPIRB E3



### General

Message formats  
Programming  
Temperature

Serialised, MMSI and radio call sign  
Via RS232 light pen and windows based PC  
Class 1 Beacon: Operating: -40°C to +55°C  
Storage: -50°C to +70°C  
Class 2 Beacon: -20°C to +55°C  
Storage: -30°C to +70°C  
Class 2 Float Free Housing:  
Mechanical operating -30°C to +65°C  
Storage: -30°C to +70°C  
6 years storage from date of manufacture,  
then 48 hours operation  
Waterproof to 10m  
730g (1.6lb)  
2.2kg (4.9lb)

\*Battery life

Sealing depth  
Weight  
Auto case & EPIRB

### 406 MHz transmitter

Frequency  
Output power  
Modulation

406.025 MHz +/- 2 kHz  
5 Watts +/- 2 dB  
Biphase 1.1 +/- 0.1 radians

### 121.5MHz transmitter

Frequency  
Output power  
Modulation

121.5 MHz +/- 3 kHz  
50 mW ERP +/- 3 dB  
AM, up or down swept tone

### Visual location

Intensity  
Flash rate

0.75 Cd Xenon discharge light  
23 flashes per minute

### Approvals

Complies with IMO resolutions A662(16), A694(17), A810(19)  
Approved to IEC 1097-2  
Approved to COSPAS-SARSAT C.S.T.001 and T.007  
Approved to European ETS-300-066  
Approved to USA, RTCM, FCC Approved,  
EU MED (Ship's Wheel) Approved.

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## Emergency Position Indicating Radio Beacon (EPIRB)

The E3 406 EPIRB is a third generation satellite distress beacon designed to operate in conjunction with the COSPAS-SARSAT international satellite search and rescue system. This system locates beacons transmitting on the 406 MHz frequency to within 5km (3nm). Once Search and Rescue (SAR) units are at the distress scene the beacon's 121.5MHz homing transmitter and its high intensity xenon strobe light aid final location even in poor visibility.

The E3 is fully compatible with the COSPAS-SARSAT and Global Maritime Distress and Safety System (GMDSS) regulations and meets the latest requirements A. 810 (19) of the International Maritime Organisation (IMO).

When shipped the beacon is programmed with a unique serial number which must be registered with the national authorities. Where national authorities allow, the beacon can be re-programmed with the vessels MMSI or Radio Call Sign. This is done by the distributor using an infra-red light pen connected to a Windows based computer.

The E3 can be supplied with a fully enclosed automatic float free housing which allows the EPIRB to be self-tested while in the housing. For non GMDSS use the E3 can be supplied in a quick release bulkhead mounting bracket, or in a non automatic version of the fully enclosed housing.

Once removed from its mounting bracket, activation is automatic by immersion in water or manual by a protected push button on the rear of the EPIRB. An additional self-test button runs a short diagnostic check and indicates the EPIRB is ready for use.

- High intensity xenon strobe light
- Global coverage with COSPAS-SARSAT polar orbiting satellites
- Geostationary coverage >75°N - 75°S
- Minimum battery life 48 hours at - 40°C
- Handles all non-location COSPAS-SARSAT message formats
- Comprehensive transmit and fault indicators
- 121.5 MHz homing frequency

### Ordering information

| Model              | Deployment / Description        | Category | Class | Part No. |
|--------------------|---------------------------------|----------|-------|----------|
| E3 EPIRB           | Manual / c/w Bulkhead Bracket   | 2        | 1     | 82-011A  |
| E3 EPIRB           | Manual / c/w Protective Housing | 2        | 1     | 82-021A  |
| E3 EPIRB           | Auto / c/w Float-Free Housing   | 1        | 2     | 82-001A  |
| Protective Housing | Manual / w/o HRU                | -        | -     | 82-031A  |
| Float-Free Housing | Auto / c/w HRU                  | -        | 2     | 82-041A  |
| Bulkhead Bracket   | Manual                          | -        | -     | 82-276B  |

To comply with UN regulations for transportation, as of January 2003 any products containing lithium batteries will be classified as UN Hazardous Class 9

**Other equipment in the McMurdo range includes PLBs, SARTs, UAIS, VHF radios, DSC VHF radios, survivor location lights, ICS NAVTEX equipment and Pains Wessex pyrotechnics.**

AUTHORISED DEALER

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