AIS EPIRB

MT606G / MT606FG

The Accusat™ MT606G Emergency Position Indicating Radio Beacon (EPIRB) is designed to be used when the safety of your craft and crew is endangered and you have no other means of communication. The EPIRB can save your life and the lives of others on board by leading an air/sea rescue to your precise location. In the past, extensive and lengthy searches have been carried out for missing craft, sometimes to no avail.

The MT606G includes Automatic Identification System (AIS) emergency broadcasting. Upon activation, a distress signal is broadcast to nearby AIS equipped vessels. A nearby vessel can potentially render assistance faster than traditional search and rescue assets, leading to better outcomes for survivors.

The MT606G is a self contained 406 MHz radio transmitter that emits an internationally recognised distress signal on a frequency monitored by the Cospas-Sarsat satellite system. Each EPIRB contains a unique identity code which can be cross referenced to a database of registered 406 MHz beacons, allowing the beacon's owner and vessel to be immediately identified in the event of an emergency. The EPIRB can be manually activated by the operator in an emergency situation and also has automatic activation modes when submerged in water.

Features

- Integrated GNSS Receiver (Supports GPS and Galileo)
- Compact, lightweight, easy-to-mount design
- Cospas-Sarsat Class 2(C/S T.001) approved, worldwide operation.
- AIS Distress Broadcast (Automatic Identification System)
- 121.5 MHz VHF Homing Beacon
- Zero warm-up digital technology
- Automatically activated on immersion in water when free of the mounting bracket or housing, or can be manually activated if required
- Ultra high performance solid state strobe
- Easy Self-test with Audio / Visual Alert
- Meets or exceeds the applicable requirements of: AS/NZS 4280.1 and C/S T.001 and T.007 standards
- 10 year battery life

6 YEAR WARRANTY

AUSTRALIAN MADE

Specifications

MODES OF OPERATION	
Activated:	UHF (406), VHF (Homer) and VHF (AIS)
General Self Test:	Comprehensive internal diagnostics with visual and audible operator feedback. UHF test message (inverted synchronisation compatible with portable beacon testers).
GNSS Self Test:	GNSS acquisition test with visual and audible operator feedback. 406 MHz test message containing GNSS co-ordinates if position is acquired, and AIS test messages are transmitted. If position is not acquired, only 406MHz test message with default co-ordinates.
OPERATION	
Activation:	Can be activated manually or by contact with water
Duration:	48 hours minimum
Transmission Delay:	406 MHz distress signals commences ~50 seconds after activation; 121.5MHz starts ~5 mins. after activation. AIS distress signals commence after the first 406 MHz satellite message.
Repetition Period:	406 MHz at 50 seconds mean, with digitally generated randomisation
UHF:	406.031 MHz, 5 W ± 2 dB, PSK (digital)
Strobe:	20 flashes/minute at greater than 0.75 candela effective intensity and Infra-red light compliant with IMO MSC.471(101)
Cospas-Sarsat:	Certified to C/S T.001 (Class 2) requirements
UHF-Protocol/Data:	Standard Location Protocol and National Location Protocol
VHF (homer):	121.5 MHz, 25 mW, min PERP@25°C
VHF (AIS):	161.975 and 162.025 MHz 1 W
BATTERY	
Replacement Period:	10 years, prior to expiry date marked on the case
Replacement Method:	Service centre, or factory only (non-user replaceable)
Chemistry:	Li/FeS2 (less than 1g of lithium per cell)
Configuration:	4 electrically isolated batteries, each consists of 2 'AA' cells connected in series.
PHYSICAL	
Operating Temperature:	-20°C to +55°C
Storage Temperature:	-30°C to +70°C
EPIRB unit Weight:	695g (including manual bracket)
Compass Safe Distance:	1m from magnetic navigational device
(MT606FG) Dimensions of Auto-release Housing:	396mm (H) x 159mm (W) x 104mm (D)
(MT606G) EPIRB unit dimensions:	260 mm (H) x 102 mm (W) x 83 mm (D) (including manual bracket)
Materials:	UV stabilized plastic chassis
Performance:	AS/NZ 4280.1 , IEC 61097-2 Ed.4
OTHER FEATURES	
GNSS:	Integrated GNSS receiver (supports GPS and Galileo)
Retention Lanyard:	Buoyant type approximately 5.5 metres long
Reflector:	SOLAS retro-reflective tape encircling unit above waterline
Solid-state Strobe:	High reliability solid state White and Infrared LED Strobe
Antenna:	Flexible self-straightening stainless steel design
Mounting:	Four (4) vessel fixing points moulded into the bracket

*Standard factory setting, subject to national requirements. Distributor-reprogrammable via optical data interface.
Specifications are subject to change without notice or obligation.

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