

ACCUSATO™  
EMERGENCY BEACONS

**GME**

# EPIRBs & PLBs

THE FINAL WORD IN SURVIVAL

- **ACCUSAT MT400**

406 MHz EPIRB  
MANUAL ACTIVATION

- **ACCUSAT MT403**

406 MHz EPIRB  
MANUAL AND WATER ACTIVATION

- **ACCUSAT PRO+  
MT403G**

406 MHz EPIRB WITH GPS  
MANUAL AND WATER ACTIVATION

- **ACCUSAT MT403FF**

406 MHz EPIRB  
FLOAT FREE – AUTO RELEASE

- **ACCUSAT PRO+  
MT403FG**

406 MHz EPIRB with GPS  
FLOAT FREE – AUTO RELEASE

- **ACCUSAT POCKET  
MT410**

406 MHz PLB

- **ACCUSAT POCKET  
PRO+ MT410G**

406 MHz PLB WITH GPS

GME revolutionised the emergency beacon world with the introduction of the ACCUSAT MT400, MT401, MT401FF and the MT410/G PLBs.

Utilising the same ground breaking Australian technology the ACCUSAT MT403 series is the latest exciting extension to GME's growing family of innovative safety products. A key feature of the MT403 series is the use of non-hazardous battery packs that allow restriction free transportation, and the introduction of GPS models.



# THE FUTURE IS DIGITAL

## ACCUSAT MT400

406 MHZ EPIRB – MANUAL ACTIVATION

GME's new technology revolutionised the EPIRB world with the introduction of the AccuSat MT400, a radical new design concept that is not only a significant improvement on existing beacon performance, but dramatically slashes the cost of 406 MHz EPIRB ownership.



- Full Class 2 international accredited specification.
- 6 year battery life
- 6 year warranty
- Zero warm up period
- Digital 406 MHz 5 Watt transmission plus 121.5 MHz homer.
- Rugged, lightweight, easy-to-mount compact design.
- COSPAS-SARSAT worldwide operation.

## ACCUSAT MT403

## ACCUSAT PRO+ MT403G

406 MHZ EPIRB – MANUAL / WATER ACTIVATION

Utilising the same innovative technology, features and benefits of the AccuSat MT400, the MT403 can be automatically activated by immersion in water or by the manually operated switch.



- Patented Microprocessor design
- 6 year warranty and battery life cycle
- Non Hazmat battery for restriction free transport.
- Ultra high performance solid state strobe.
- 121.5 MHz homer
- Automatic water activation
- Simple test functions with A/V alert
- Quick release mounting bracket
- COSPAS-SARSAT worldwide operation.

### MT403G ADDITIONAL FEATURES:

- 16 channel GPS receiver
- Top mounted Quad Helix GPS receiving antenna.

## ACCUSAT MT403FF / ACCUSAT PRO+ MT403FG

406 MHZ EPIRB – FLOAT FREE AUTO-RELEASE

Designed to meet the most demanding regulatory approvals the AccuSat MT403FF is a Class 2, Category 1 EPIRB. Both models are enclosed in a UV resistant float free housing that automatically deploys and activates the EPIRB when submersed to a depth of 2-4 metres (6.5-13 ft).



- Unrivalled technology, reliability and price.
- Patented Microprocessor design
- 6 year warranty and battery life cycle
- Zero warm up technology
- High reliability solid state strobe.
- Rugged, lightweight compact design
- Easy, in-built self-test facility with audible alert.
- UV resistant float free housing
- Antenna releases automatically when removed from bracket or housing.
- 121.5 MHz homer
- Non-hazardous batteries for restriction free transport.
- Industry first 6 year warranty and battery replacement period.
- COSPAS-SARSAT worldwide operation.



### MT403FG ADDITIONAL FEATURES:

- 16 channel GPS receiver
- Top mounted Quad Helix GPS receiving antenna.



The current 121.5/243 MHz analogue COSPAS SARSAT\* service will be terminated by 1st February 2009 and only 406 MHz digital beacon signals will be processed thereafter. The benefits of digital 406 MHz over analogue beacons are faster, more accurate detection, personal identification and reduced search area, resulting in a targeted response should a life threatening situation occur.

## ACCUSAT POCKET MT410

## ACCUSAT POCKET PRO+ MT410G

406 MHZ POCKET SERIES PLB

Not only is the AccuSat pocket Series one of the smallest PLBs on the market, these personal locator beacons are fitted with high intensity flashing LED and 'Non Hazmat' batteries for simple, cost effective transportation. The AccuSat Pocket Pro+ MT410G has the advantage of GPS location.

**INDUSTRY 1<sup>st</sup>**  
7 Year Battery Life  
7 Year Warranty

- 7 year battery life, 7 year warranty
- Typical accuracy - MT410G: < 100m (328 ft)  
MT410: < 5km (3.1 mi)
- High visibility flashing light
- Unique patented technology - no warm up period.
- Rugged, lightweight compact design
- Digital 406 MHz, 5 Watt transmission plus 121.5 MHz homer.
- COSPAS-SARSAT worldwide operation
- National and International approvals
- Fully buoyant, sealed waterproof design (exceeds IP67).
- Suitable for marine, aviation and land applications.
- Complete with retention strap and protective carry pouch.



Fitted with  
**NON-HAZMAT**  
Long Life  
Batteries

\* COSPAS SARSAT is the international organisation that operates a series of satellites in low altitude and geostationary orbits for Search and Rescue. Items not shown to scale.

# Model Comparison Chart

**ACCUSATO™**  
EMERGENCY BEACONS



MODES OF OPERATION	MT400	MT403	MT403FF	MT403G	MT403FG	MT410	MT410G
Activated	UHF (406 MHz) and VHF (121.5 MHz Homer) complete with high intensity strobe and audible alert.						
UHF/VHF Self Test	Comprehensive internal diagnostics with visual and audible operator feed-back. UHF test message (inverted synchronisation compatible with portable beacon testers).						
GPS Self Test	-	-	-	User selectable GPS signal acquisition test function	-	-	GPS signal acquisition test function
OPERATION							
Activation	Manual Switch	Water or manual	Auto release	Water or manual	Auto release	-	Deploy antenna
Duration	48 hours minimum						24 hrs minimum
Transmission	406 MHz and 121.5 MHz						
Delay	Signals commence 60 seconds after activation						
Warm Up	None required due to digital frequency generation						
VHF	121.5 MHz, 50 mW ±3 dB, swept tone AM						
UHF	406.037 MHz, 5 Watts +/- 2 dB, PSK (Digital)						
Strobe	Solid Sate IMO & RTCM Compliant - > 0.75 Candela effective intensity						
LED	20 flashes / minute, high intensity white LED						
GPS							
GPS Receiver	-	-	-	16 Channel	16 Channel	-	16 channel, 8192 time / frequency search window
GPS Antenna	-	-	-	Dielectrically loaded Quadrifilar Helix		-	Dielectrically loaded Quadrifilar Helix
Acquisition - Cold Start	-	-	-	less than 90 seconds typically		-	34 seconds typical
Acquisition - Hot Start	-	-	-	3.5 seconds typically		-	<3.5 seconds typical
Position	-	-	-	< 100 m (328 ft) typically		-	<100 m (328 ft) typical
COSPAS-SARSAT							
UHF-Protocol/Data	All approved EPIRB short protocols			All approved EPIRB long protocols		All long location protocols	
VHF Homer	Satellite compatible phase content					Satellite compatible phase content	
APPROVALS*							
COSPAS-SARSAT	C/S T.001/007 Certified to Class 2 Requirements.						
GMDSS Compliance	-	IMO A810 (19), as amended	-	IMO A810 (19), as amended	-	-	
Australia and New Zealand	AS/NZ4280.1:2003						AS/NZ4280.2
European	MED Wheelmark®						
BATTERY							
Replacement	6 years from service centre or factory (non-user replaceable)					7 years from service centre or factory (non-user replaceable)	
Chemistry	LiSO <sub>2</sub> (2.4g of lithium per cell)		LiMnO <sub>2</sub> (0.49 g of lithium per cell)				
No./Size	2 D Size cells		5 parallel packs of 2 series cells			4 CR17345/123A size cells	
PHYSICAL							
Operating	-20°C to +55°C (-4°F to +131°F)						
Storage	-30°C to +70°C (-22°F to +158°F)						
Weight (+ bracket)	535 (+ 98) g 1.18 (+ 0.21) lbs	545 (+ 98) g 1.20 (+ 0.21) lbs	545 (+1100) g 1.20 (+ 2.42) lbs	570 (+ 98) g 1.26 (+ 0.22) lbs	570 (+1100) g 1.26 (+ 2.42) lbs	235 g 0.52 lbs	250 g 0.55 lbs
Compass Safe Distance	0.1m (0.23 ft)		0.7 m (2.3 ft)				0.1 m (0.32 ft)
Dimensions H x W x D mm (inches)	260 x 102 x 82 (10.24 x 4.02 x 3.22)	260 x 120 x 83 (10.24 x 4.72 x 3.26)		386 x 158 x 103 (15.19 x 6.22 x 4.05)		135 x 71 x 38 (5.31 x 2.79 x 1.49)	
Auto Release Mechanism	-	-	SOLAS approved Hammar H20	-	SOLAS approved Hammar H20	-	-
OTHER FEATURES							
Retention Lanyard	Buoyant type approximately 5.5 m (18 ft)						
Reflector	SOLAS retro-reflective tape encircling unit above waterline						
Antenna	Flexible self straightening stainless steel tape					High durability stainless steel wire	
Stowage	Quick release manual bracket	Auto float free	Quick Release manual bracket	Auto float free	Padded carry pouch		
Transportation	Category 9	Meets UN requirements for transport as non-hazardous cargo on board passenger aircraft					

Specifications are subject to change without notice or obligation. \* For full list of international approvals see [www.gme.net.au](http://www.gme.net.au)



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