



# ACCUSATO™

SERIES EPIRBS

## MT410 and MT410G 406 MHz EMERGENCY PERSONAL LOCATOR BEACONS



- > GPS option (MT410G)
- > 7 year battery life, 7 year warranty
- > Typical accuracy - MT410G: <100 m, MT410: <5 km
- > High visibility flashing LED
- > Unique patented technology - no warm up period
- > Lightweight, compact and robust
- > Digital 406 MHz, 5 watt transmission plus 121.5 MHz homing signal.
- > COSPAS-SARSAT global operation
- > National and International approvals
- > Sealed waterproof design (exceeds IP67)
- > Retention strap and fully buoyant design
- > Protective carry pouch





## MT410/MT410G

GME's AccuSat Series, available with or without an integrated GPS option, are leading the world with feature innovation and user benefits.

Not only is the AccuSat Series a small, compact and lightweight PLB – both models offer a massive 7 year battery replacement life and a 7 year warranty. The high intensity LED and 'Non Hazmat' battery pack for simple and cost effective transportation, all contribute to the unique AccuSat advantage.

Since February 2009 only 406 MHz digital beacon signals will be processed by the global COSPAS-SARSAT service.

Today with cutting edge microprocessor technology, GME's engineers have been able to provide the outdoor adventurer with a 406 MHz PLB solution that is not only affordable, but provides enhanced peace of mind for boaters, bush walkers, 4 x 4 enthusiasts and aviators should they ever require emergency assistance.

GME has been designing and manufacturing emergency beacons in Australia for over

30 years. In that time literally hundreds of lives have been saved in Australia and around the world.

For information on the MT410/G or any GME product please visit our website or contact your nearest GME office.



## SPECIFICATIONS

### MODES OF OPERATION

**Activated:** UHF (406) and VHF (homer) complete with high intensity light and audible alert.

**Self test:** Comprehensive internal diagnostics with visual and audible operator feed-back. UHF test message (inverted synchronisation compatible with portable beacon testers). GPS satellite acquisition test (MT410G only).

### OPERATION

**Activation:** Automatically when antenna deployed.

**Duration:** In excess of 24 hours at -20°C Longer at higher ambient temperatures.

**Transmission:** 121.5 MHz and 406 MHz

**Delay:** 60 seconds to de-activate prior to distress transmission.

**Warm up:** None required (due to patented digital frequency generation).

**VHF:** 121.5 MHz, 50 mW ±3 dB, swept tone AM (analogue).

**UHF:** 406.028 MHz, 5 W ± 2 dB, PSK (digital).

**Flashing LED:** > 20 flashes/minute 2 x high intensity white LED.

**COSPAS-SARSAT:** Certified to C/S T.001 (Class 2) requirements.

**Approvals:** AS/NZS 4280.2 ETSI EN 302 152-1.

**UHF-protocol/data:** Supports all short (MT410) and long (MT410G) operation protocols (reprogrammable by Distributor).

**Repetition period:** 50 s mean, digitally generated randomization.

### BATTERY

**Replacement period:** Prior to expiry date marked on case (7 yrs).

**Replacement method:** Service centre or factory only (non-user replaceable).

**Battery chemistry:** LiMnO<sub>2</sub> (0.49 g Lithium per cell).

**Battery configuration:** 2 electronically isolated batteries, each consisting of 2 cell types CR123A.

### PHYSICAL

**Operating:** -20 to +55°C

**Storage:** -30 to +70°C

**Weight:** MT410 - 235 g MT410G - 250 g.

**Compass safe distance:** 0.1 m (for minimal deflection).

**Dimensions (mm):** 135 (h) x 71 (w) x 38 (d)

**Buoyant:** Will float in fresh/salt water (RTCM Cat1).

**Waterproof:** Submersion to 1 m for 1 hour.

**Materials:** High visibility yellow chassis with translucent cap. UV stabilised high impact plastic chassis with energy absorbtion overmoulded bumpers.

### GPS RECEIVER - (MT410G ONLY)

**Type:** Ultra-high sensitivity L1 frequency C/A UBlox Lea-6.

**Channels:** 50 search channels.

**Antenna:** Dielectrically loaded quadrifilar helix

**Acquisition:** Cold start 34 seconds typical Hot start <3.5 seconds typical.

**Position:** Located to within 45 m typical.

### OTHER FEATURES

**Transport:** Meets UN requirements for transport as Non-hazardous cargo on board passenger aircraft.

**Antenna:** Flexible and robust wire rope design. Marine grade 316 stainless steel.

**Included accessories:** Wrist/neck strap, protective carry pouch with multidirectional belt loops.



Specifications are subject to change without notice or obligation.

Dealer:

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