



# Personal Locator Beacon

## MT410G PLB

### with GPS



- Integrated 50 Channel GPS receiver delivers greater accuracy and faster location
- Compact, light-weight, pocket-sized design
- Fully self-buoyant and waterproof (exceeds IP67 standard)
- Includes 121.5 MHz homing transmitter
- Zero warm-up digital technology
- Quick and easy test facility
- COSPAS-SARSAT worldwide operation
- Ultra high performance solid state strobe light
- Includes retention strap and protective case
- 7 year battery life
- 7 year warranty

**ACCUSATO™**  
EMERGENCY BEACONS



GPS Accuracy



Self Buoyant



Strobe Light



COSPAS-SARSAT  
Certified



Battery Life



Warranty



# MT410G PLB with GPS

GME's AccuSat MT410G is a compact and lightweight PLB, leading the world with feature innovation and user benefits.

The MT410G offers a massive 7 year battery replacement life and a 7 year warranty. The high intensity LED and 'Non Hazmat' battery pack all contribute to the unique GME AccuSat advantage.

With today's cutting edge microprocessor technology, GME's engineers have been able to provide the outdoor adventurer with a 406 MHz PLB solution that is affordable and easily transportable; providing enhanced peace of mind for boaters, bush walkers, 4WD enthusiasts and aviators should emergency assistance be required.

Since 2009 only 406 MHz digital beacon signals have been processed by the global COSPAS-SARSAT service.

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 further information on the MT410G or any GME product 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.

### 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  $\pm 3$  dB, swept tone AM (analogue).

**UHF:** 406.028 MHz, 5 W  $\pm 2$  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 and long operation protocols (reprogrammable by distributor).

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

### BATTERY

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

**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 absorption overmoulded bumpers.

### GPS RECEIVER

**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



Manufactured under a management system certified as complying with ISO 9001:2008 by SGS Australia Pty. Ltd.



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