



# GPS PERSONAL LOCATOR BEACON

## MT610G

The MT610G is a super-compact, lightweight PLB, offering an impressive 7-year battery life and a 6-year warranty.

Featuring a 'Non-Hazmat' battery pack for ease of transport, the MT610G ensures you remain safe and connected, wherever life takes you.

The MT610G has been designed, engineered, and manufactured in Australia, to provide the outdoor adventurer or lone worker with a GPS PLB solution that is compact, easy-to-use, and affordable.

Featuring an integrated 72 channel GPS receiver, zero warm-up time, high intensity LEDs, IP68 Ingress Protection and an inherently buoyant design, the compact size of the MT610G has not compromised the safety features included. The MT610G is designed to meet and exceed the latest international standards and is Cospas-Sarsat Class 2 certified.

GME is the only Australian manufacturer of emergency beacons and has been designing, engineering, and manufacturing EPIRBs and PLBs for over 30 years. In that time our beacons have been used to save hundreds of lives around the world.

### FEATURES

Compact, Lightweight Design

IP68 Ingress Protection

Integrated 72Ch GPS Receiver

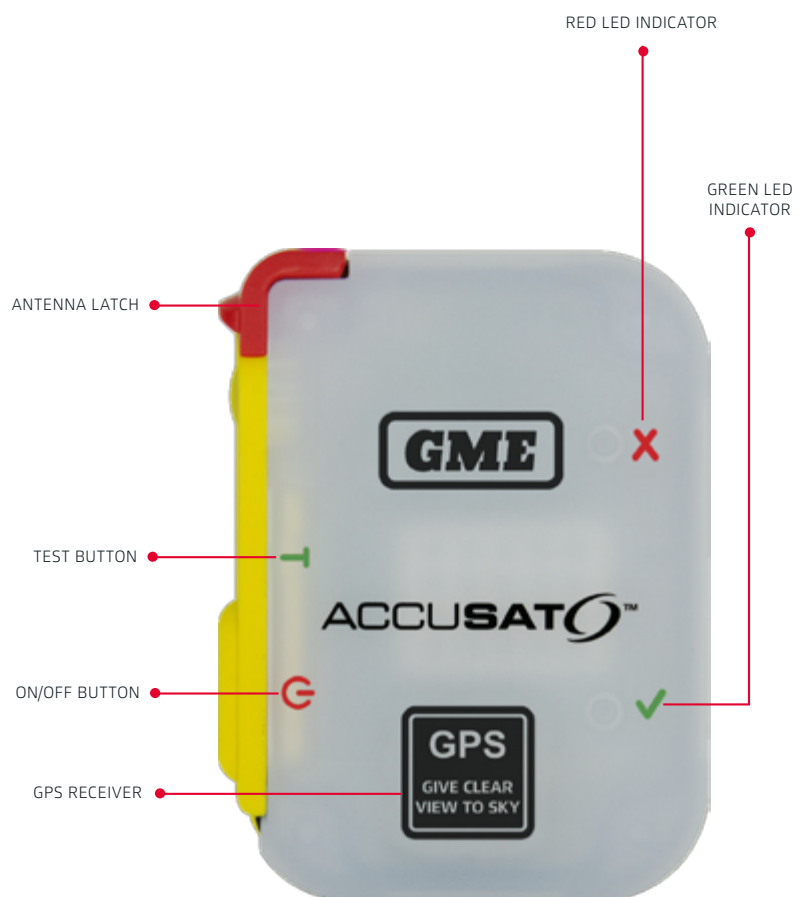
7 Year Battery Life

121.5MHz Homing Transmitter

Cospas-Sarsat Certified (Class 2)

Easily Deployed in an Emergency

Inherently Buoyant



YEAR  
WARRANTY

# Technical Specifications

MODES OF OPERATION	
<b>Activated</b>	UHF (406) and VHF (homer) complete with high intensity light.
<b>Self-Test</b>	Comprehensive internal diagnostics with visual operator feed-back. UHF test message (inverted synchronisation compatible with portable beacon testers).
<b>GPS Self-Test</b>	Comprehensive diagnostics of GPS circuitry and real-time position acquisition test with visual operator feedback.
OPERATION	
<b>Activation</b>	2-step activation process.
<b>Duration</b>	In excess of 24 hours at -20°C. Longer at higher ambient temperatures.
<b>Transmission</b>	121.5 MHz and 406 MHz
<b>Delay</b>	50 seconds (+/- 2.5 sec) to deactivate prior to distress transmission.
<b>Warm Up</b>	None required
<b>VHF</b>	121.5 MHz, 50 mW ±3 dB, swept tone AM (analogue)
<b>UHF</b>	406.03 MHz, 5 W ± 2 dB, PSK (digital)
<b>Light</b>	> 20 flashes/minute High intensity white LED
COSPAS-SARSAT	
<b>Certification</b>	Certified to C/S T.001 (Class 2) requirements.
<b>Operation Protocol</b>	Supports Standard Location and National Location operation protocols.
<b>Repetition Period</b>	50 seconds mean, digitally generated randomization.
BATTERY	
<b>Useful Battery Life</b>	7 years**
<b>Replacement Method</b>	By service centre or factory only. Not user-replaceable.
<b>Battery Chemistry</b>	LiMnO <sub>2</sub> (0.6 g Lithium per cell)
<b>Battery Configuration</b>	2 electronically isolated batteries, each consisting of 2 cells type CR123A

PHYSICAL	
<b>Operating</b>	-20 to +55°C
<b>Storage</b>	-30 to +70°C
<b>Weight</b>	160g ± 2g
<b>Compass Safe Distance</b>	1 m (3.3 ft)
<b>Dimensions (mm)</b>	88 (h) x 66 (w) x 36 (d)
<b>Buoyant</b>	Will float in fresh/salt water. (RTCM Cat 1)
<b>Waterproof</b>	IP68 (10m of salt-water for 1h)
<b>Materials</b>	High visibility yellow chassis with translucent cap. UV stabilised high-impact plastic chassis with energy absorption over-moulded bumpers.
GPS/GALILEO RECEIVER	
<b>Type</b>	Ultra-high sensitivity GPS L1C/A, Galileo E1B/C
<b>Channels</b>	72-channel, GPS/GALILEO Search Engine.
<b>Antenna</b>	Ceramic Patch Antenna.
<b>Acquisition</b>	Cold start 30 seconds typical. Hot start 1 second typical.
OTHER FEATURES	
<b>Transport</b>	Meets UN requirements for transport as non-hazardous cargo onboard passenger aircrafts.
<b>Antenna</b>	SUS631 Hardened Stainless Steel.
<b>Optional Accessories</b>	Protective carry pouch with aluminum carabiner.

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

\*\* Prolonged storage at temperatures higher than 20°C would result in reduced useful life of the battery.

## REFERENCES

- [https://www.sarsat.noaa.gov/cospas\\_sarsat.html](https://www.sarsat.noaa.gov/cospas_sarsat.html)
- <https://cospas-sarsat.int/en/>



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