

TECHNICAL DATA SHEET - MT403 & MT403G

MODES OF OPERATION - MT403 AND MT403G

- Activated:** UHF (406) and VHF (homer) complete with high intensity strobe and audible activation alert.
- Self test:** Comprehensive internal diagnostics with visual and audible operator feedback. UHF test message (inverted synchronisation compatible with portable beacon testers).

OPERATION

- Activation:** Manually by operator and Automatic when deployed in water.
- Bracket Type:** Manual Release.
- Duration:** 48 hours minimum.
- Transmission Delay:** 121.5 and 406 MHz distress 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:** 406.028 or 406.037 MHz, 5 W ± 2 dB, PSK (digital).
- Strobe:** 20 flashes/minute at greater than 0.75 cd effective intensity.
- COSPAS-SARSAT:** Certified to C/S T.001 (Class 2) requirements.
- UHF-Protocol/Data:** Serial Number*, Radio Call Sign or MMSI (with GPS location - MT403G only).
- Repetition Period:** 50 s mean, digitally generated randomization.
- VHF:** Satellite compatible phase coherent.

BATTERY

- Replacement Period:** Prior to expiry date marked on case.
- Replacement Method:** Service centre, or factory only (non-user replaceable).
- Chemistry:** LiMnO₂ (0.49 g Lithium per cell).
- Configuration:** 5 parallel packs each of 2 series cells.

PHYSICAL

- Operating:** -20°C to +55°C.
- Storage:** -30°C to +70°C.
- Weight:** 555 g (plus 98 g for bracket).
- Compass Safe Distance:** 0.7 m (incl mounting bracket) from magnetic navigational device when inactive.
- Dimensions:** 260 mm (H) x 102 mm (W) x 83 mm (D) max. when stowed in bracket.
- Materials:** UV stabilized plastic chassis.
- Performance:** IEC 61097; IEC 60945; AS/NZS 4280.1; ETSI EN 300 066.
- Transport Class:** Exempt from UN3091.
- Patent Number:** GB2420058, other patents applied for.

OTHER FEATURES

- GPS:** Internal 16 channel high performance receiver with quadrifilar helix antenna (MT403G only).
- Retention Lanyard:** Buoyant type approximately 5.5 m long.
- Reflector:** SOLAS retro-reflective tape encircling unit above waterline.
- Solid-state Strobe:** High reliability solid state design exceeds IMO requirements.
- Antenna:** Flexible self straightening stainless steel design.
- Bracket:** Quick release mechanism (manual). Retained by four (4) vessel fixing points.

* Standard factory setting, subject to National requirements. Distributor re-programmable via optical data interface.

All specifications are typical and subject to change without notice or obligation.