

TECHNICAL DATA SHEET - MT403FF & MT403FG

MODES OF OPERATION

- 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). Full carrier unmodulated VHF test burst.

OPERATION

- Compliance:** GMDSS Compatible and meets the latest IMO A810-19 requirements.
- Activation:** Auto or Manual.
- Duration:** 48 hours minimum.
- Transmission:** 121.5 MHz and 406 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:** 406.028 or 406.037 MHz, 5 W ± 2 dB, PSK (digital).
- Strobe:** 20 flashes/minute at greater than 0.75 cd effective intensity.
- UHF-Protocol/Data:** Serial Number*, Radio Call Sign or MMSI (with GPS location - MT403FG only).
- Repetition Period:** 50 s mean, digitally generated randomization.
- VHF:** Satellite compatible phase coherent.

BATTERY


- Replacement Period:** Prior to expiry date marked on EPIRB case.
- Replacement Method:** Authorised Service Centre.
- 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.
- EPIRB Weight:** 555 g (nominal).
- Antenna:** Flexible self straightening stainless steel design.
- EPIRB Dimensions:** 260 mm (h) x 102 mm (w) x 83 mm (d).
- 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.

AUTO-RELEASE HOUSING

- Release:** Automatically before reaching 4 m water depth or manually by operator.
- Protection:** Impact resistant housing fully encloses EPIRB for environmental protection.
- Mounting:** On flat surface fixed at four (4) points to vessel  Refer to manual for placement.
- Housing Weight:** 1.1 kg (nominal).
- Housing Dimensions:** 385.5 mm (h) x 157.5 mm (w) x 102.5 mm (d).
- Materials:** Marine grade stainless steel and long life UV Polypropylene stabilised enclosure.
- Routine Service:** Fully user replaceable HRU at 2 year intervals as per applicable authority requirements.

OTHER FEATURES

- GPS:** Internal 16 channel high performance receiver with quadrifilar helix antenna (MT403G only).
- Retention Lanyard:** Buoyant type approximately 5.5 metres.
- Reflector:** SOLAS retro-reflective tape encircling unit above waterline.
- Solid-state Strobe:** High reliability solid state design exceeds IMO requirements.
- Compass Safe**
- Distance:** 0.7 m (EPIRB in Auto - release housing) from magnetic navigational device when inactive.

* 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.