



SEAMAP
A MIND Technology Business

SEAMAP INTEGRATED TAILBUOY

**TOTAL SOLUTION FOR POSITIONING AND TRACKING TOWED EQUIPMENT
IN A MARINE ENVIRONMENT**

The Integrated Tailbuoy provides a complete solution.

- Configured for immediate use in the field
- Towed by towing bridle and supplied shackles
- Robust marine grade foam-filled glass reinforced polyester flotation
- Waterproof IP 68 rated electronic enclosure
- Innovative power solution provided by totally encapsulated high capacity batteries which greatly reduces risk of explosive gas build up by the exclusion of all internal airspace.

The Seamap Integrated Tailbuoy consists of a fiberglass hull to provide floatation, a towing bridle to attach to the tow cable, a waterproof connector to connect to a source of power and telemetry wires, a BuoyLink GPS receiver, a marine rechargeable battery and a navigation hazard strobe light. All electrical components are encased in the Seamap Tailbuoy Charger 3G (P/N 02-58-3002) Acetal housing.

The Tailbuoy is attached to the tail of the streamer and towed from the front by means of a towing bridle which is attached on either side, with shackles supplied.

The Tailbuoy electrical system is connected to the streamer using a single connector which routes power and telemetry lines to the Tailbuoy Charger 3G.

The Tailbuoy Charger 3G houses the power and telemetry electronics, provides battery charging capabilities and supplies power to the BuoyLink GPS unit and flashing beacon.

The Flashing Marker Beacon is a marine type Tron Marker Beacon mounted on the starboard side antenna frame mast and connected to the Seamap Tailbuoy Charger 3G that provides power using a waterproof cable.

Benefits of totally encapsulating high capacity batteries involve complete protection against water intrusion, as well as greatly reduced risk of explosive gas build up by the exclusion of airspace.

Battery venting is facilitated by proprietary ventilation system through the base of the encapsulant. The batteries are internally fused for increased safety in case of inadvertent short circuit.



Seamap Tailbuoy Charger 3G



Seamap BuoyLink 4DX

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Specifications:

Data Communications	
Baud	User Selection
Range	<3km @ 9600 Baud, 1 second update rate

Hull	
Weight	Approx 155Kg Inc. Battery
Length	2500mm
Height	670mm (excl. Antenna Mast)
Hull Material	Glass Fibre Reinforced Polyester (foam filled)
Self Righting	At 2.5Kts

Light	
Model	Tron ML-300
Supply	12-24V

Electrical Enclosure	
Material	Delrin (Acetal)
Rating	IP 68

Towing Bridle	
Material	316 Stainless Steel (ML-10-316SS)
Length	1.5M per leg (x2)
Shackle	'D' 12mm 316SS

Battery	
Weight	38Kg
Dimensions	276mm (L), 196mm (W), 220mm (H)
Voltage	12V
Capacity	55Ah
Ventilation	Bottom Vented
Material	2175 Epoxy Encapsulant
Colour	High Visibility Yellow

Buoylink	Separate Brochure For Full Specs
Telemetry	Options for Hardwire and Radio Telemetry Contact Seamap for Details

Ordering Information:

Part Number	Description
01-58-0009	Tailbuoy (J), Integrated Light Weight
02-58-0020	Tailbuoy, 12V Optima Battery, Waterproof, AGM1104F
02-58-3002	Tailbuoy Charger (TBC) 3G, Streamer, W/Gen and Solar (F)
02-58-0023	Tailbuoy Navigation Light w/AG Style Pigtail Cable
02-58-0004	Tailbuoy, Towing Harness Assembly
03-00-0046	Radar Reflector, Plastimo Type 25586
Cables and Brackets Subject to Configuration	

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