



# Integrated Tailbuoy

Total Solution for Positioning and Tracking Towed Equipment in a Marine Environment

OFFSHORE TECHNOLOGY SOLUTIONS™

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 flotation, 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

## Specifications:

Data Communications	
<b>Baud</b>	User Selection
<b>Range</b>	<3km @ 9600 Baud, 1 second update rate
Hull	
<b>Weight</b>	Approx 155Kg Inc. Battery
<b>Length</b>	2500mm
<b>Height</b>	670mm (excl. Antenna Mast)
<b>Hull Material</b>	Glass Fibre Reinforced Polyester (foam filled)
<b>Self Righting</b>	At 2.5Kts
Light	
<b>Model</b>	Tron ML-300
<b>Supply</b>	12-24V
Electrical Enclosure	
<b>Material</b>	Delrin (Acetal)
<b>Rating</b>	IP 68
Towing Bridle	
<b>Material</b>	316 Stainless Steel (ML-10-316SS)
<b>Length</b>	1.5M per leg (x2)
<b>Shackle</b>	'D' 12mm 316SS
Battery	
<b>Weight</b>	38Kg
<b>Dimensions</b>	276mm (L), 196mm (W), 220mm (H)
<b>Voltage</b>	12V
<b>Capacity</b>	55Ah
<b>Ventilation</b>	Bottom Vented
<b>Material</b>	2175 Epoxy Encapsulant
<b>Colour</b>	High Visibility Yellow
<b>Buoylink</b>	Separate Brochure For Full Specs
<b>Telemetry</b>	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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11-00-1028-A

