



Integrated Tailbuoy

Total Solution for Positioning & Tracking Towed Equipment in Marine Environment

- Configured to be immediately ready to use in the field.
- Towed by means of towing bridle and supplied shackles.
- Robust marine grade Polyolefin Polymer with EPS (Expandable Polystyrene) core floatation.
- 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 Integrated Tailbuoy provides a complete solution.

The Seamap Integrated Tailbuoy consists of a Polystyrene 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 wired to a waterproof junction box housing cable interface and battery charging circuitry. 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.

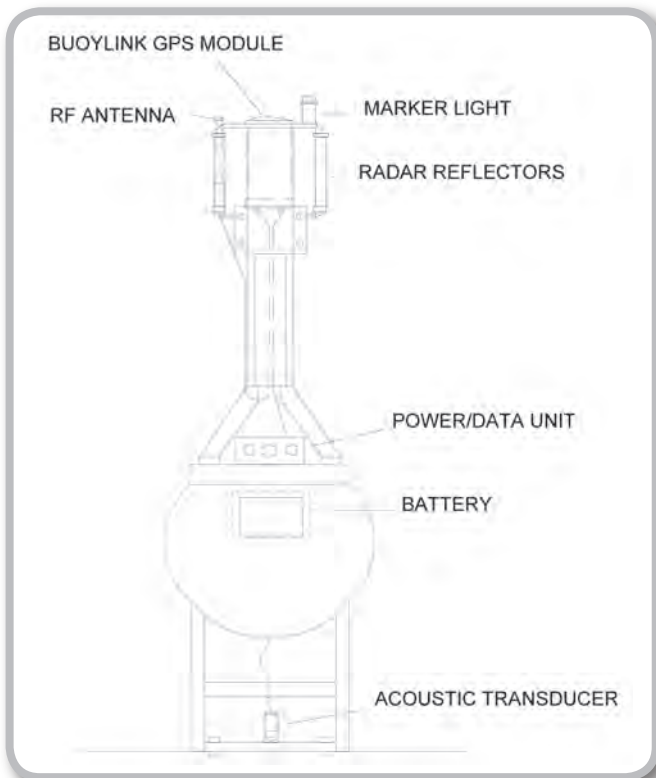
The Tailbuoy electrical system is connected to the streamer using connectors which routes power and telemetry lines to the Power/Data unit enclosure.

The waterproof enclosure houses the charger/regulator which provides data telemetry, battery charging capabilities and supplies power to the BuoyLink GPS unit as well as the flashing beacon. The Flashing Marker Beacon is a marine type Jotron Marker Beacon mounted on the starboard side antenna frame mast and connected to the Power/Data enclosure 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 exclusion of airspace. Battery venting is facilitated by proprietary ventilation system through the base of the encapsulant.

They are internally fused for increased safety in case of inadvertent short circuit.

Integrated Tailbuoy



Ordering Information

Part No	Description
02-58-0008	Battery, 12V, 38AH, Encapsulated
02-58-0100	Power/Data Unit
03-00-0046	Radar Reflector
02-58-0009	Marker, Flasher
02-58-0010	Cable, Power/Data Unit to STREAMER
40-00-0799	Cable, Power/Data Unit to RGPS
40-00-0803	Cable, Power/Data Unit to COMP/AUX
40-00-0809	CAP, Connector, EXT THRD, SMALL
40-00-0818	CAP, Connector, RGPS, EXT THRD, LARGE
40-00-0808	CAP, Connector, RGPS, INT THRD, SMALL
40-00-0807	CAP, Connector, RGPS, INT THRD, LARGE
41-00-0225	Chain, ML10-316SS, 1.5m
41-00-0226	Shackle, "D", 12mm 316SS
01-58-0008	Seamap Integrated TailBuoy, complete
03-58-0006	PartnerPlast 800L TailBuoy

Power Data/Unit

Charger/Regulator	Two stage, bulk and float
From Streamer	40vdc - 45vdc
From Battery	12vdc
Output To battery	14.4v bulk charge, 13.5v float
Output to light	12vdc - 14.4vdc
Output to RGPS	12vdc - 14.4vdc
Output to Aux	12vdc - 14.4vdc

Light

Model	Jotron Marking Flasher MF1118
Supply	12vdc-24vdc

Electrical Enclosure

Material	GRP UV protected
Rating	IP 68

Towing Bridle

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

Battery

Weight	19.4 Kg
Dimensions	220mm (L), 190mm (W), 220mm (H)
Voltage	12V
Capacity	38 Ah
Ventilation	Bottom Vented
Material	2175 Epoxy Encapsulant
Colour	High Visibility Yellow

Buoylink

Telemetry	Separate Brochure for full specs Options for hardwire and radio telemetry Contact Seamap for details
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