



Integrated Tailbuoy | Total Solution for Positioning & Tracking Towed Equipment in a Marine Environment

- Configured for immediate use in the field.
- Towed by towing bridle and supplied shackles.
- Robust marine grade foam-filled glass reinforced polyester 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 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 wired to a waterproof stainless steel 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 a single connector which routes power and telemetry lines to the stainless steel enclosure.

The stainless steel enclosure houses the

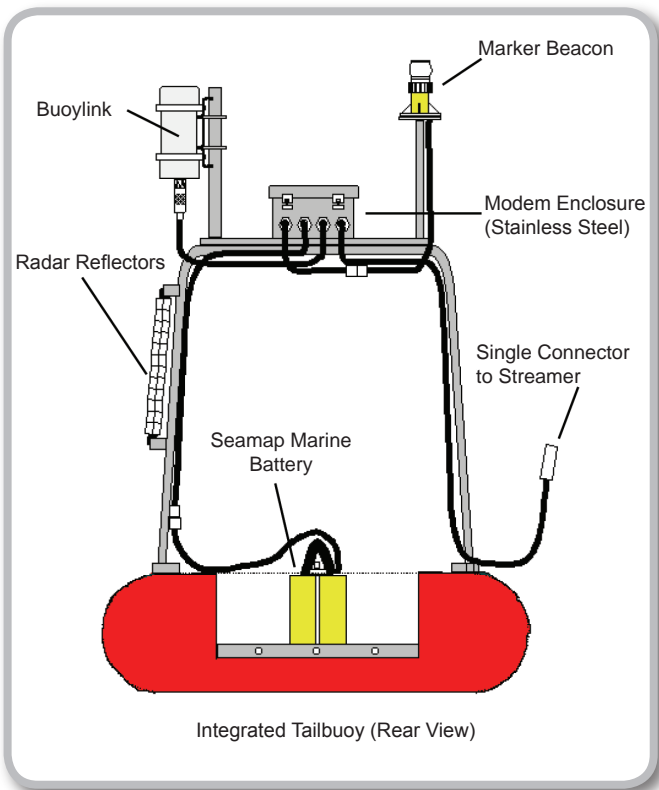
modem card which provides data telemetry functions, battery charging capabilities and supplies power to the BuoyLink GPS unit as well as the flashing beacon.

The Flashing Marker Beacon is a marine type Jotron Marker Beacon mounted on the starboard side antenna frame mast and connected to the modem 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 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.

Integrated Tailbuoy



Integrated Tailbuoy (Rear View)

Ordering Information

Part No	Description
01-58-0001	Seamap Integrated Tailbuoy, Complete
02-58-0001	Seamap Marine Battery, 12V waterproof with Pigtail
02-58-0002	IP 68 Enclosure for Modem, Stainless Steel
02-58-0003	Flashing Beacon with Molded Pigtail
02-58-0004	Towing Bridle Assembly, Stainless Steel
02-58-0005	BuoyLink GPS Housing Clamp Assembly
03-58-0001	Jobra Light Weight Tailbuoy
40-58-0002	Con, AG-2102M with 2 core 11AWG pigtail, 3m (Battery)
40-58-0004	Con, AG-2102F with 2 core 11AWG pigtail, 4m (Beacon)
40-58-0005	Con, AG-2104F with 4 core 11AWG pigtail, 4m
40-58-0006	Con, AG-2108F with 4 core 11AWG pigtail, 10m

Data Communications

Baud	User Selection
Range	>6km @ 2400 Baud

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	Jotron Marking Flasher MF1118
Supply	12-24V

Electrical Enclosure

Material	316 Stainless Steel
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

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



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