



**WamBlee**

Committed to Excellence

# W880

commercial fishing

## LONGLINE HF RADIO BUOY

- DESIGNED FOR SYSTEMS WITH LONGLINE OR SEALINE, SUITABLE FOR ALL APPLICATIONS IN COMMERCIAL FISHING.
- TRANSMISSION OF POSITION, BATTERY CHARGE STATE AND SEA SURFACE TEMPERATURE AT PROGRAMMABLE TIME INTERVALS.
- ESTIMATE COVERAGE AT 80 KM<sup>1</sup>.
- CONTINUOUS OPERATION AT LEAST 10 DAYS.



W880 is a radio beacon active in the HF band to signal fishing systems lost or abandoned in the sea, e.g. longline or sealine fishing systems.

By sending out a message at (programmable) time intervals, it is possible to determine, via a special on-board W830 reception system, the position of longlines, any unexpected drifting due to line breaking and estimated time of arrival.

Information is transmitted in an encrypted format and can only be decrypted by the radio beacon owner, and transmission times are also suitably optimised to prevent illegal interception.

The high-capacity battery pack and consumption optimisation efforts ensure a prolonged working time - with the W880 radio beacon able to operate for up to 10 days (according to message transmission time intervals).

Once it has been removed from its battery charger (model W890), the W880 radio buoy remains disabled until it is inserted into the slot of the float.

Once inserted, the buoy radio signals its activation by light indication (LED) and remains active until it runs out of battery power or is removed from the float.

A special through-hole provided in the bottom part of the float facilitates connection and removal from the longline.

Any information received from the W880 radio beacon is available through the W830 reception system which, with the support of navigation maps, provides a general overview of the longlines\*.

\*For the integration of the data received by the system W880 and W830 with your mapping system, we suggest you contact our local distributor or our technical department.

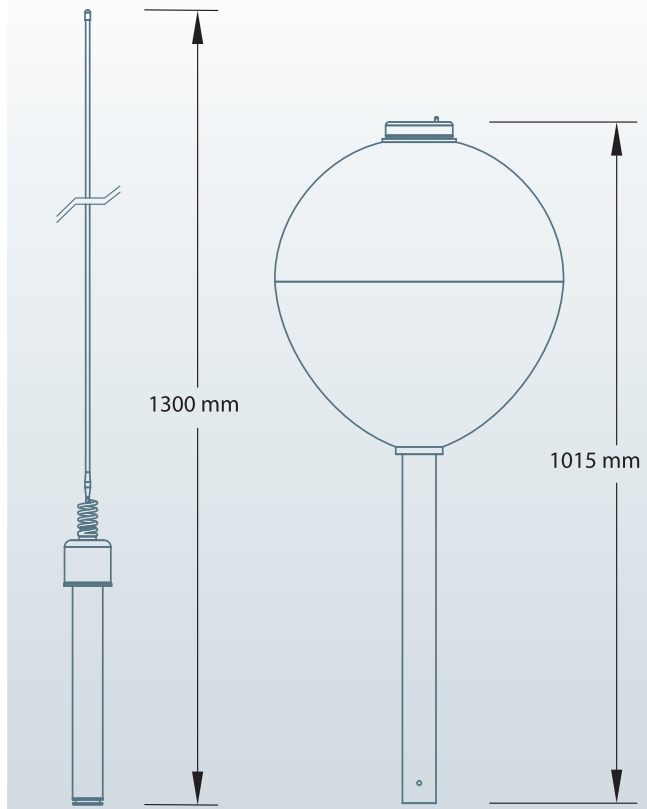
## TECHNICAL SPECIFICATIONS

- Longline HF radio buoy.
- Frequency: 27 Mhz.
- RF power: 4 Watt typ.
- Estimate coverage: about 80 Km<sup>1</sup>.
- Modulation: AFSK.
- Transmission rate: programmable, minimum every 10 minutes, maximum every 6 hours.
- Synchronization: via GPS timer.
- GNSS: low power GPS 66 channels.
- Information provided: time, position, battery status, surface temperature, speed, estimated course.
- Working temperature: from -10°C to + 55°C (surface temperature, sea not frozen).
- Depth: down to 100 meters.
- Storage temperature: from -30°C to + 70°C.
- Operating life with fully charged battery: from 4 to 10 days, depending on the rate of transmission and the operating temperature.
- Battery: NiMh, rechargeable (battery charger W840).
- Size: 390x75 mm (radio buoy), with stylus antenna up to 1670 mm.
- Float size: 1000x350 mm (mast and float).
- Weight: 2.1 Kg.
- European Standards: Directive RED 2014 / 53 / EU.
- Warranty: 1 year.



<sup>1</sup>. The distance is estimated using the document ITU-R P.368-9 and the software GRWAVE issued by ITU for the determination of the attenuation of the propagation of the ground wave, whereas the surface of the sea with average salinity.

Order Code	Description	Packing Quantity
P20035	W880 Radio buoy	1
P20036	W880 Float mast	1



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