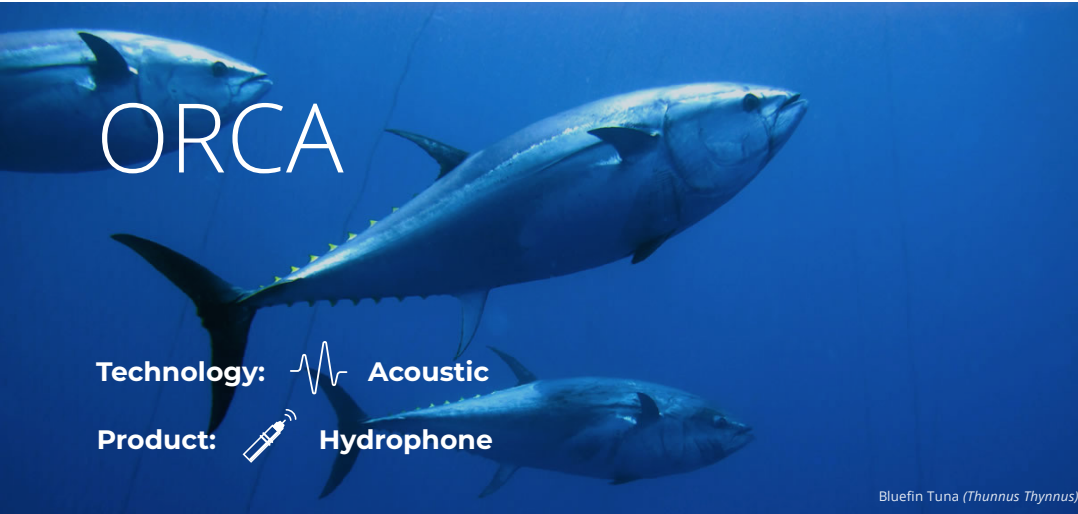




Bluefin Tuna (*Thunnus Thynnus*)



A Versatile Modular Acoustic Hydrophone Receiving System

ORCA is a multi-frequency, multilingual, autonomous, submersible datalogging acoustic receiver that detects and decodes Open Protocols. Rated to operate at a depth of 800m, each ORCA receiver is bluetooth enabled for data download, is positioning ready, equipped with sensors and integrated beacon. Additionally, ORCA receivers are compatible with the underwater release device (URD), mooring recovery device (MRD), mooring/floatation collar and rechargeable battery pack.

Options

- BPSK (digital) and PPM
- 69kHz, 180kHz and 416kHz
- Underwater release device (URD)
- Mooring recovery device (MRD) COMING SOON
- Rechargeable battery pack

Features:



Multiple protocol



Rechargeable



Underwater release

Multiple Protocols:

Compatible with multiple frequencies and multiple code-sets/protocols

Battery options:

Primary or Rechargeable Battery

Underwater Release:

Compatible with 800m underwater release device (URD).

Product Applications

Compatible with OPdi, OPds, OPi, OPs, R64k, and JSATS codesets, Fine scale positioning, Deep water, Multi-year Multi-species.



Model	Battery Pack Life ^[1] (months)		Size (ØxL) (mm)	Weight in air (kg)	
	Primary ^[2]	Rechargeable ^[2]		Primary	Rechargeable
ORCA	15	13	99 x 463	3.7	4.5
ORCA URD	15	13	99 x 521	4.6	5.5
ORCA URD & MRD ^[3]	15	13	TBD	27	28

1. Primary operational life based on 6 lithium primary D-cells (Li-SOCl₂). Rechargeable pack operational life based on 1 ORCA Li-ion pack. Operational life may vary slightly based on programming and ambient conditions.
2. Single frequency use.
3. Preliminary estimated specifications.

Features and specifications subject to change without notice.



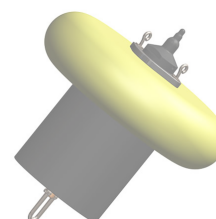
ORCA



URD
(Underwater release device)



ORCA URD
(with collar)



ORCA URD & MRD
COMING SOON

Technical specifications:

Temperature Rating: -10°C to 40°C

Depth Rating: 800m

Buoyancy: Neutral

Marine Grade Materials: Delrin, brass release lug, poly canister, 800m syntactic floatation foam

Frequency Options: 69kHz, 180kHz and 416kHz

Modulation: BPSK & PPM

Codesets: OPi, OPs, R64k, JSATS, OPdi and OPds

Data Storage/ Capacity: 32 GB

Warranty

ORCA hydrophones are warrantied to be free of defects in materials and workmanship under Normal Use subject to the depth rating, deployment and maintenance practices outlined in the corresponding Product Manual for a duration of 24 months.

For Warranty terms and conditions, please review our [Warranty Statement](#).

