

OceanObserver™ Spar Buoy

Product code: OCEANOBS-SPAR

The OceanObserver Spar Buoy provides a robust, quiet platform for acoustic and ocean monitoring and telemetry. The OceanObserver system offers many options for data acquisition, on-board signal processing, and real-time transmission of data or derived information products. Acoustic and oceanographic sensors, including arrays, can be suspended in the water column or fixed to a lander, and the OceanObserver electronics can be housed in the buoy or on the lander.

The Spar Buoy is smaller and lighter than traditional discus buoys. The inverse catenary mooring is easy to deploy and retrieve and is tailored by water depth. Built for harsh marine environments, the Spar Buoy withstands cold extremes and light surface ice. All power and electronic components, including communications antennae, are sealed inside the buoy's robust polyethylene hull.

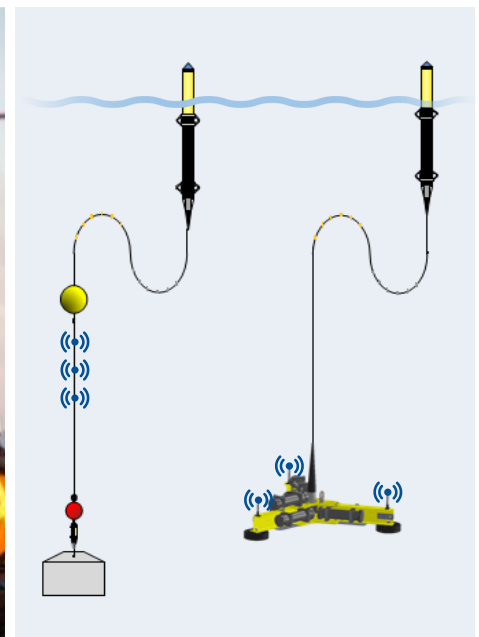
- Single hydrophone, or multi-hydrophone linear, planar, or spatial arrays
- Automated real-time marine mammal detection and reporting
- Endures long periods at sea without servicing
- Ideal for low-sunlight environments that preclude solar power
- Meets maritime buoy safety regulations

SPAR BUOY SPECIFICATIONS

Dimensions:	∅0.5 m × 6 m	Communications:	Cellular, Wi-Fi, Iridium RUDICS or SBD, VHF, or acoustic modem
Mass:	Up to 400 kg	Power :	Battery, 55 W fuel cell with 2 field-replaceable fuel bladders, or others upon request
Depth:	50–2500 m		



The OceanObserver Spar Buoy with bottom lander can be deployed from smaller vessels than large, open-ocean discus buoys



Multiple configurations to meet your requirements

Specifications subject to change without notice. © JASCO Applied Sciences, v2.1