

SOSI

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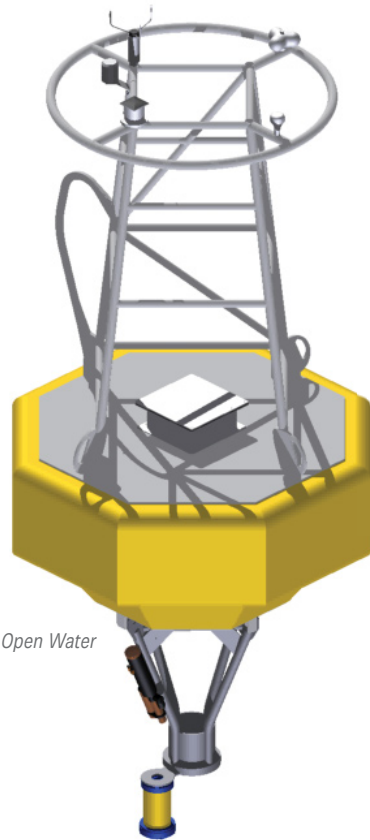
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OCEAN OBSERVATION BUOY FAMILY

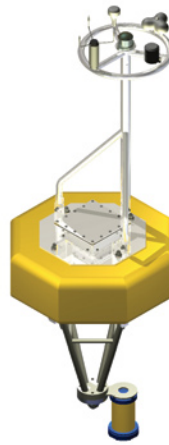
» OPEN, Coastal & PROTECTED WATER



Open Water



Coastal Water




Protected Water

SOSI Ocean Observation Buoys (OOBs) are designed for moored applications in open, coastal or protected water installations. OOBs are typically deployed to serve national forecasting needs, maritime safety or to observe regional climate patterns. Buoys are configurable with a variety of meteorological and oceanographic sensors to meet the requirements of our customers.

Designed for harsh marine environment, the bodies of the SOSI OOB family are fabricated of lightweight, multi-density foam with a thick polyurea coating for impact and abrasion resistance. An integral stainless steel-frame construction adds strength to the hull and provides secure mounting points for the tower, bridle and subsurface instrument masts. The octagonal shape of SOSI's OOB Buoys make them stable in transport or on deck and their sharp chines provide good motion dampening. Buoys may also be modified to include built-in recesses for sub-surface instrument masts.

SOSI specializes in custom installations and integration of sensor suites from various manufacturers. Sampling schemes, power considerations, and data products are tailored to meet customer requirements. Batteries are sized according to deployment and sensor considerations.

Thank you for reviewing our OOB Family. Please contact our helpful technical staff if you require assistance with this product. Our team of skilled engineers, designers and trained technicians are ready to assist you with product modifications and solutions to meet your most demanding requirements.

Be it an existing product or a customized package—our mission is to offer innovative engineering, design and quality manufacturing for our diverse and growing global customer base. Take action and make waves with SOSI today! 

Surface Telemetry

- Iridium
- Argos
- GSM
- CDMA
- RF

Subsea Telemetry

- Acoustic or Inductive Modems for Bottom Platform or Mooring Line to Buoy
- Cable Connection (Fiber/CoAX)

• SOSI can design and fabricate moorings for your specific applications

Meteorological Sensors

- Wind Speed and Direction
- Air Temperature
- Relative Humidity
- Barometric Pressure
- Solar Incidence

Oceanographic Sensors

- Water Temperature
- Conductivity
- Pressure
- Current Profiles
- Wave Amplitude and Direction
- Dissolved Oxygen / CO₂
- Solar Radiation Sensors

*Specifications subject to change

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