

OCEANOGRAPHIC DATA BUOY

Model ODB-2M-5000

The SOSI Model ODB-2M-5000 oceanographic data buoy is designed for open water and coastal installations. The buoy body is fabricated of lightweight multi-density foam with a thick polyurethane skin that can receive sharp and repeated impacts without damage. The buoy surface can be easily cleaned when necessary. Integral steel structural frame pieces yield added strength to the hull and provide secure mounting points for the tower, bridle and subsurface instrument masts. The octagonal shape can include integral recessions for subsurface instrument masts. The shape makes it stable on its side (while on-deck), and has sharp chines for good motion damping. The buoy is designed to accommodate a variety of payload requirements. The aluminum upper tower, lower bridle and optional sub-surface sensor masts allow for strength and a great variety of sensor suites specific to your needs.



The buoy is constructed with an internal watertight well, designed to house a battery pack and optional charging system. It also serves as the base for a separate watertight electronics housing. The housing contains the data logger controller assembly and can hold a variety of sensors, see a partial list below. The housing is built with bulkhead connectors and a data port for easy removal, computer access and maintenance. SOSI can provide full engineering service to integrate your specific measurement needs in your specific environment. Standard and custom housings, control software and data formats are available.

<p>General Specifications</p> <p>Gross Displacement 2300 kgs (5,060 lbs.) Hull Diameter 2.3M (91")</p> <p>Power Options</p> <p>Alkaline Battery Pack Lithium Battery Pack Solar Cells c/w charging system</p>	<p>Sensor & Feature Options Include</p> <ul style="list-style-type: none"> • SOSI Controller/Data Logger • Sea Surface Temperature sensor(s) • Sea Surface Conductivity sensor(s) • Sea Surface UV-B & PAR sensor(s) • In air UV-B & PAR sensor(s) • Current profiling sensor(s) • Wind Speed & Direction sensor(s) • Air Temperature & Pressure sensors(s) • GPS system • Shallow & Deep water mooring systems • Inductively coupled sensor systems • Installation & maintenance support • Data management services
<p>Data Telemetry Options</p> <ul style="list-style-type: none"> • Iridium Satellite • Argos Satellite • GSM 	