

SOSI

T. 425.869.1834

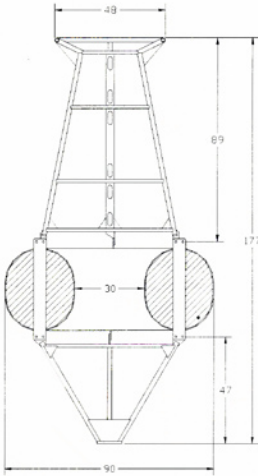
F. 425.869.5554

www.soundocean.com

info@soundocean.com

DEEP WATER DATA BUOY

» Model ATLAS-90-8000




SOSI ATLAS-90-8000 Oceanographic Data Buoys (ODBs) are designed for deep water installation. CWDBs are usually deployed to serve national forecasting needs, maritime safety needs or to observe regional climate patterns. These buoys are configurable with a variety of meteorological and oceanographic sensors. Measurements from an open water buoy might include: wind and air surface variables, wave height and direction variables, sea surface temperature, water conductivity, salinity and density, trace metals and water quality, oil spill fluorescence, PAR, UV-B, underwater video, barometric pressure, GPS and other data which is transmitted in real-time and relayed to its deplorer by Iridium or ARGO telemetry.

The Model ATLAS-90-8000 Oceanographic Data Buoy, (ODBs) were originally designed by NOAA for harsh deployments in deep water, open ocean environments. They are ideally suited for programs where long-term atmospheric, sea surface and subsurface observation is required. Used extensively on NOAA's TAO project, they have a proven track record with hundreds of deployments in the equatorial Pacific. The rugged toroidal hulls are constructed of fiberglass and polyurethane foam with an internal stainless steel frame.

The standard buoy design includes an aluminum tower to support the atmospheric sensors and a stainless steel subsurface bridle assembly used to support the sea surface sensors and interface with the mooring assembly. A watertight NEMA-4X enclosure can be located in the tower used to hold a SOSI Trident data logger, transmitter/modem and other components.

Thank you for reviewing the Atlas-90-8000 Buoy. 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)

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

- Gross displacement 3,636 kg (8,000 lb.)
- Hull diam. 2,280 mm (90 in.)
- Overall Height 4,495 mm (177 in.)
- Weight 545 kg (1,200 lb.)

Options

- SOSI Trident Data Logger
- Mooring & Anchor Assembly

*Specifications subject to change

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www.soundocean.com

Mailing Address: P.O. Box 2978 - Redmond, Washington 98073-2978, USA
Street Address: 17455 NE 67th Court, Suite 120, Redmond, WA 98052, USA
T: 425-869-1834 • F: 425-869-5554 • info@soundocean.com