

DATA BUOY II



▶ DATA BUOY II

OVERVIEW



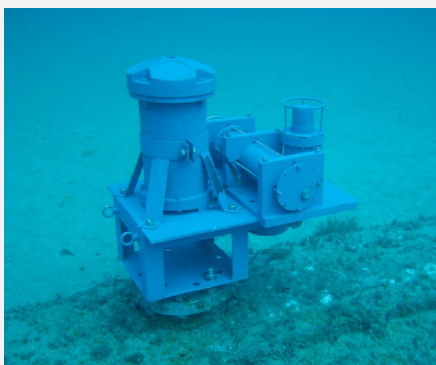
- **Reliably collect near real-time data unattended from coastal waters for prolonged periods of time**
- **Proven instruments provide accurate oceanographic and meteorological data**
- **Easily transported by road and deployed from small craft**

REAL TIME COASTAL MONITORING PLATFORM

Data Buoy II is a real time coastal monitoring platform designed to be deployed for many unattended months in a range of sea conditions.

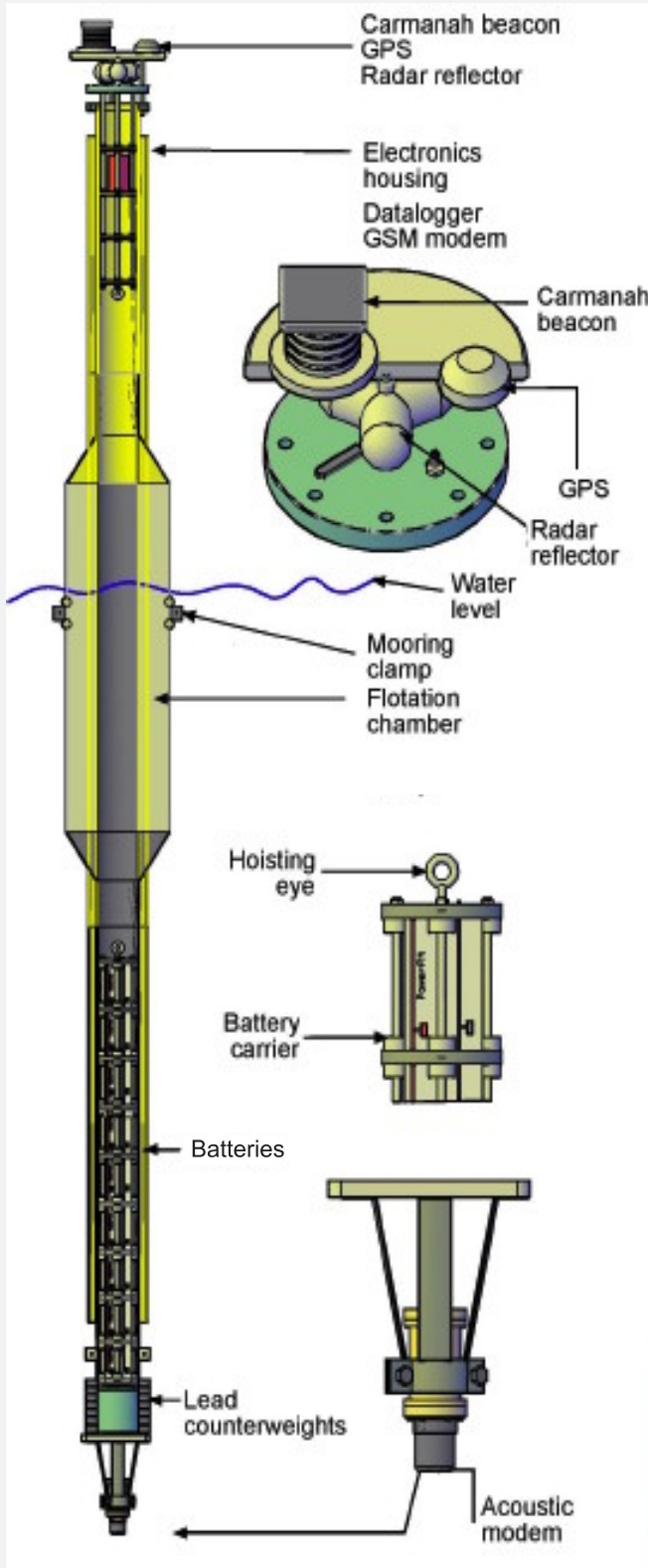
DBII measures oceanographic and meteorological conditions in coastal waters and sends data to a land based server by means of standard cellular or global satellite telemetry.

DBII's have been successfully deployed in South-African coastal waters collecting data for factories and oceanographers.



DATA BUOY II

SPECIFICATIONS



BUOY

Overall Length	6.2 m
Flotation Diameter	0.49 m
Main Body Diameter	0.2m
Mass	110kg (excluding counter weights)
Construction	Class 12 PVC with 12mm glass fibre shroud encapsulated with 362 PVR resin.

MOORINGS

Maximum Mooring Depth	200m
Maximum Current	4 Knots

COMMUNICATIONS

Bottom to Surface Telemetry	Linkquest UWM 2000 Cellular, GSM or GPRS (standard)
Optional	2 way radio Global satellite

ELECTRICAL

Batteries	108A/h capacity
Solar Panel	20W PV panel

INSTRUMENTS

DB II uses proven oceanographic instruments to measure and log a multitude of data. DB II's architecture accommodates a variety of sensors:

Teledyne Workhorse ADCP

- Currents
- Waves
- Bottom temperature

Airmar PB200 Weather Station

- Wind speed & direction
- Air temperature
- Barometric pressure

Optional Sub-surface oceanographic sensors include

- CTP
- Turbidity
- Oxygen
- pH & Radox
- pH
- Fluorescence

CONTACT DETAILS

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