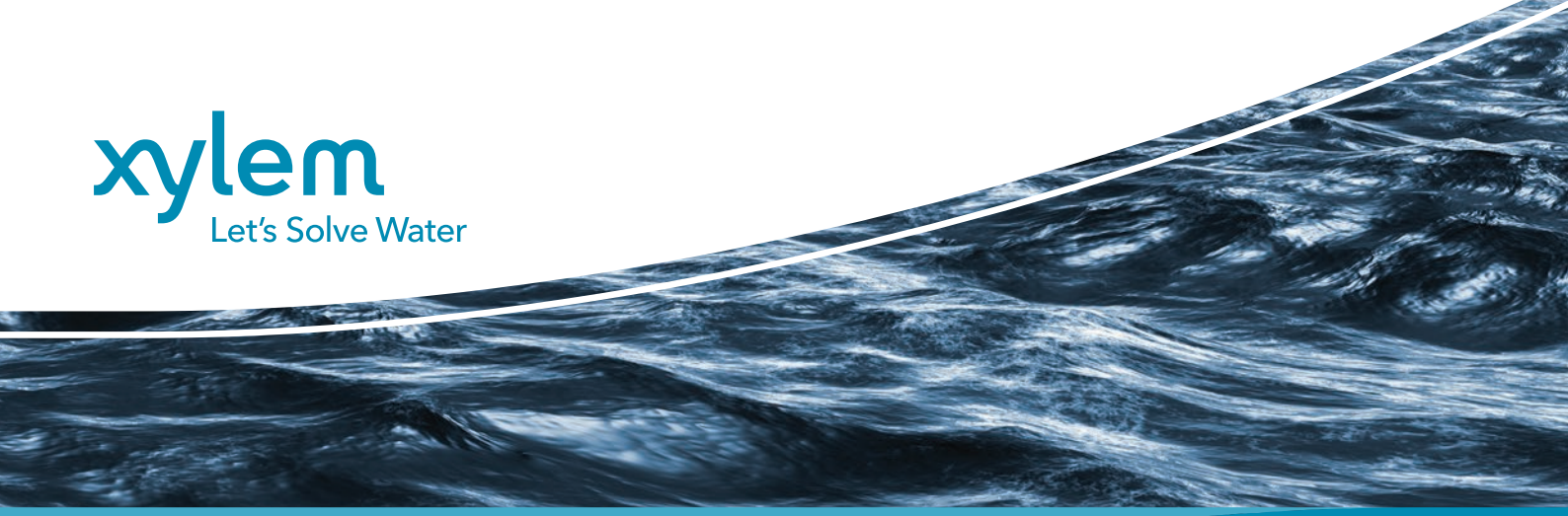
xylem
Let's Solve Water



DB1750 Buoy platform

A well-proven and robust data-collecting platform suited for measurements of numerous oceanographic, meteorological and water quality parameters.

Applications

- Maritime traffic - safety and control
- Coastal & Offshore operations
- Environmental monitoring
- Weather forecasting
- Structural engineering
- Wave energy studies
- Water quality monitoring
- Fish farm operations and studies

Key Features

- Navigational buoy mechanically modified for easy integration of sensors, data loggers and communication equipment
- Shipped 90% preassembled, for efficient transport and assembly at site
- Low long term operational and maintenance expenses
- Expandable system allowing future upgrades by adding additional sensors
- Supports multiple telemetry devices
- Two-way communication enabled for data transmission and remote control
- Can accommodate hydro acoustic and inductive link to communicate with ocean bottom observatories and sensors in mooring line
- A variety of available proven mooring systems

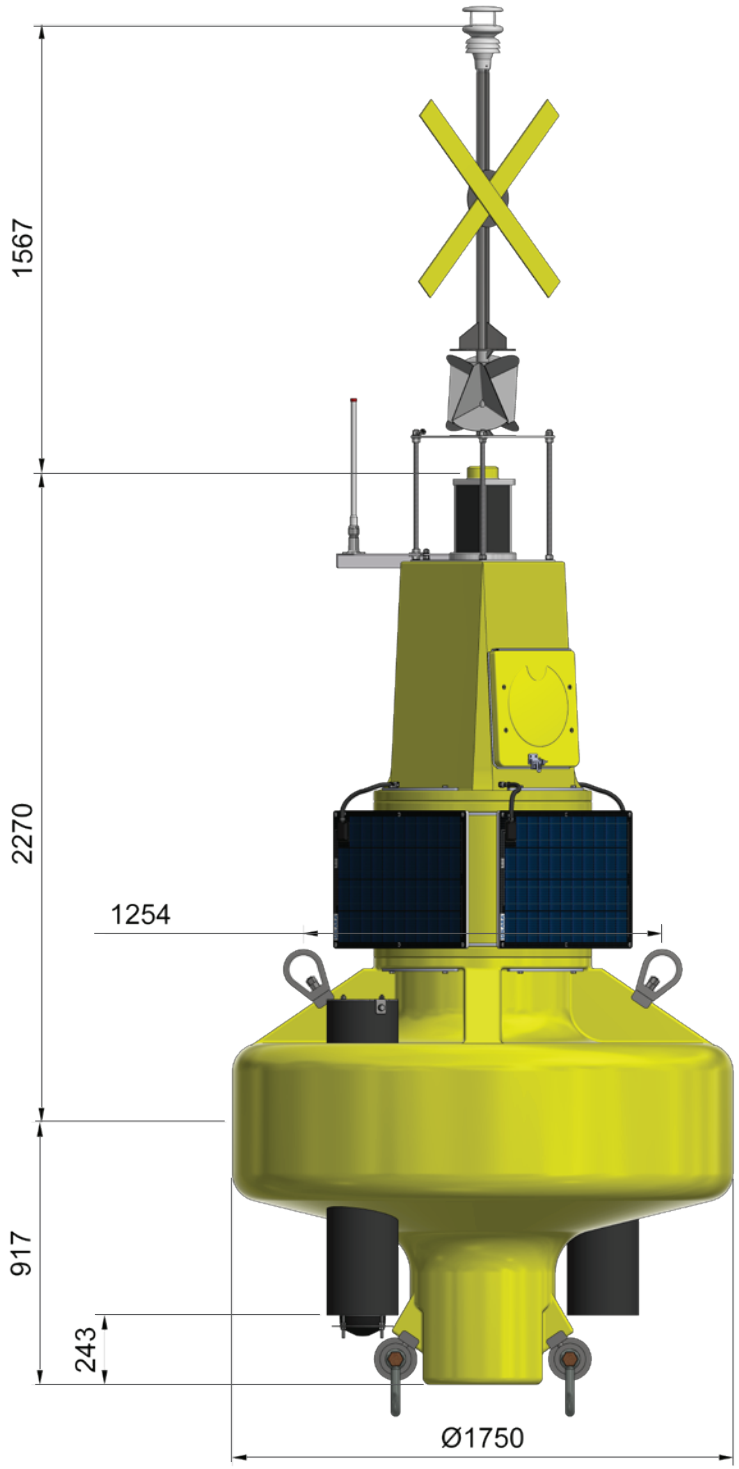
AANDERAA
a xylem brand

Specifications DB1750

Services and cost savings

The DB1750 platform is a reliable and cost effective solution for bringing real-time data to your office desk. Through its flexible monitoring options and exceptional station keeping, the DB1750 platform will contribute to keeping operational and maintenance costs at a minimum. Easy access to sub surface sensors for regular maintenance, and advanced real-time online services, provides year round predictable operation.

Technical Details	
Construction:	Rotationally moulded in medium density UV-stabilized virgin polyethylene, 9.5mm thick
Foam filling:	16/kg/m³ expanded polystyrene foam
IALA:	Built to comply with existing IALA recommendations
Air weight:	600-650kg
Max mooring weight:	636kg. 250-300kg when measuring waves
Draft:	751mm
Freeboard:	305mm
Submergence:	24,7kg/cm
Standard NavAid:	Lantern & Radar reflector
Optional NavAid:	IALA Top-Mark (St. Andrews cross) AIS Tranponder Type 1 & 3
Typ. Met. Parameters:	Wind, temp, humidity, pressure
Typ. Hyd. Parameters:	Current, conductivity, O_2, temperature, turbidity, chlorophyll, pH, CDOM, crude oil, refined oil, wave height and direction
Comm. Devices:	4G, Iridium satellite, VHF/UHF radio
Aux devices:	GPS, External Compass, GPS tracking beacon
Power source:	4x41W solar panels + SLA, AGM or Lithium-ion batteries
Moon pools:	2 x ID220mm
Maximum current:	6 knots (3,09 m/s)
Service interval	Recommended min. once per year
Maintenance interval:	Depends on sensor suit and local conditions
Additional services:	- Data hosting with Real-Time data - Display & alarm options - Installation support - Support & Service contract.



Moorings are also available for deeper water.
For mooring details and calculations. Contact factory

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