



YSI DB1300 Monitoring Buoy

Fixed water quality, profiling water quality, current & weather



Multi-purpose environmental buoy

The YSI DB1300 delivers a reliable vertical profiling for shallow water bodies, combining rugged design with real-time data access for proactive water management. The DB1300 is IALA compliant, manufactured from UV stabilized LLDPE with an environmentally friendly polyurethane filling. Its solar-powered autonomy and modular sensor integration make it the ideal solution for drinking water reservoirs, near shore coastal monitoring.

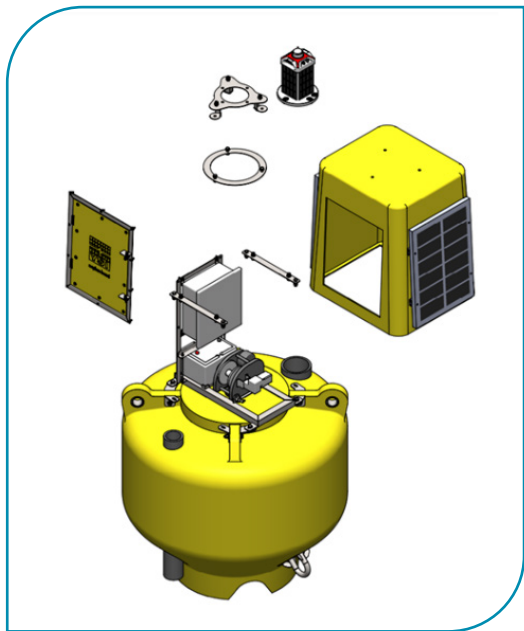
A few benefits of the DB1300 include:

Robust Design:

- The float section and the top section form an abrasion-resistant, shock-absorbing buoy that can withstand dynamic applications.
- The DB1300 features a fully secure design that protects all sensors and electronics from tampering and interference, while still allowing easy access during maintenance activities.

- Secure modular design allows flexibility to add wide range of sensors with real-time data access
- Easy deployment with simple mooring configuration
- 24/7 unattended monitoring
- Safer operation – no divers required

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DB1300 technical data

Construction	Rotationally moulded in medium density UV stabilized low density polyethylene (LLDPE)
Buoy filling	Polyurethane
Internal structure	SS316
Diameter	1300 mm
Air weight	545 kg
Nominal draft	644 mm
Draft reduction per 100mm	74 mm
Nominal freeboard	479 mm
Submergence	5.3 kn
Focal plane height	1,797 mm
Visible area	1.57 m ²
Colours	IALA standard colours available
Maximum mooring load	950 kg
Maximum current	6 Knots
Moon Pools	1 central for profiling. Maximum 4 external Internal winch moon pool 150mm

Flexible configuration options

Profiling	Depths up to 20m. Configurable profiling points
Fixed measurements	Water quality at fixed depths
Communications	4G, Satellite
Power	Up to 135W, 12Vdc Solar power system
Security and system safety	Integrated GPS, optional door sensor, optional water intrusion sensor, remote alarms.

Advanced multi-sensor capability

Water quality	Conductivity, temperature, salinity, pH, ORP, dissolved oxygen, turbidity, nitrate, blue green algae, chlorophyll, ammonium, chloride, photosynthetically active radiation (PAR), oil in water
Other parameters	Single point current, current profiling, wind speed, wind direction, temperature, relative humidity, barometric pressure, precipitation, solar radiation



Choose the YSI DB1300

For superior durability, sensor versatility, and long-term cost efficiency - delivering reliable environmental data when you need it.

[Contact Xylem Services](#)

