

0.6m MONITORING BUOY



Quick and easy Water Quality Monitoring for fresh water applications

Ensuring safe and clean water quality is essential for public health, environmental sustainability, and regulatory compliance. The 0.6m Monitoring Buoy provides a quick and easy way to ensure constant and immediate data collection when other systems are out of action, or where an environmental situation requires monitoring by providing real-time, automated water quality monitoring for fresh water applications, helping organizations maintain safe water conditions while reducing operational costs.

This buoy is designed for various applications, including regulatory compliance, environmental research, industrial monitoring, and public health protection. It enables municipalities, research institutions, and industries such as aquaculture, wastewater management, and desalination plants to track critical water parameters remotely.

Equipped with advanced sensors and location-appropriate telemetry systems, the buoy system provides early warnings for pollution events, algal blooms, and contamination, allowing for rapid response and mitigation.

By automating water quality monitoring, organizations can reduce the need for manual sampling, optimize resource allocation, and ensure compliance with environmental standards. The Monitoring Buoy is an essential tool for protecting natural water bodies and ensuring safe recreational water use.

Applications

- Sewage Overflow
- Contaminated Groundwater
- Section 82 Monitoring

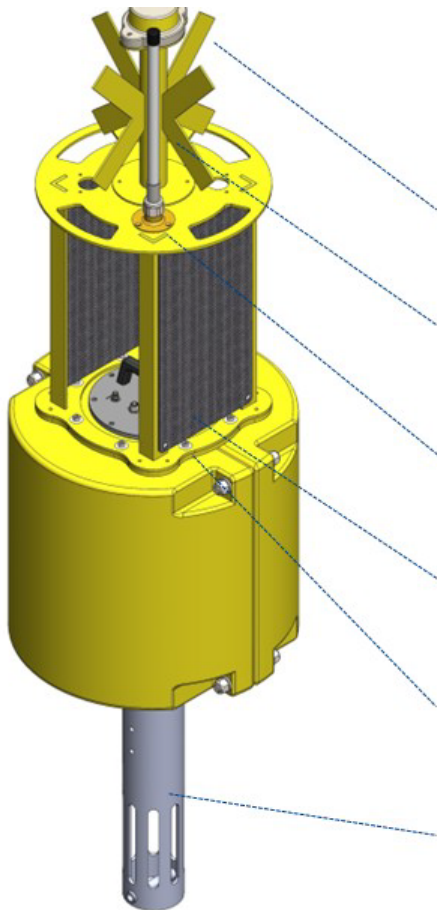
The 0.6m Monitoring Buoy carries solar panels with battery back up, and a GPRS enabled data logger. Weighing 45 kg and having a total length of 1.8m, this buoy is easy to handle and deploy.

The single point mooring not only makes for easy deployment and recovery, but also reduces the drag in high flow areas.

All buoys are fitted with four 14W solar panels, battery back up, navigation/warning lights (IALA Standard Lamp) and St Andrews cross.



A range of telemetry options are available (UHF/VHF, GSM, GPRS, Satellite), selected to suit both the location and application requirements. OSIL provide a complete data telemetry solution, including either desktop or web-based software packages to access the data.



Hull Specifications

0.6m diameter, 1.0m focal plane, 45kg weight, ~60kg reserve buoyancy (after payload)



GPS Tracking

On-station GPS trackers with watch circle alarms



Telemetry Options

GPRS/GSM, AIS, VHF/UHF radio, Iridium



Meteorological Measurements

Wind speed/direction, atmospheric pressure, air temperature & humidity, solar radiation, precipitation



Real-Time Data Delivery

OSIL data solutions, hosted services, direct to server & email



Water Quality Sensors

Coliforms, Dissolved Oxygen, pH, Temperature, Conductivity, Salinity, Turbidity, Chlorophyll & Blue-Green Algae

Other sensors are available on request

FOR FURTHER INFORMATION PLEASE CONTACT:

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