



Water Quality Monitoring

Water Quality Buoy



ADVANCED WATER QUALITY DATA

The **Obscape Water Quality Buoy** provides dependable, real-time monitoring of water quality in a compact, solar-powered platform. Designed for continuous 24/7 deployment, it combines the **OBS-BUOY 7 WATT** platform with top-tier water quality sensors for a seamless, low-maintenance, multiparameter setup. Preloaded with sensor-specific software, the system enables fast deployment and instant access to real-time data.

It allows you to monitor a wide array of parameters, including turbidity, salinity, total dissolved solids (TDS), pH, temperature, pressure, dissolved oxygen, and more. With its versatility, the **Obscape Water Quality Buoy** is ideal for every stage of your offshore project - baseline studies, active operations, and long-term monitoring.

PURCHASE INCLUDES

- Free access to the **Obscape Data Portal**
- SD card - can also be run in offline mode
- Satellite communication: 3 months free line rental and 5,000 satellite communication credits included

Optional:

Cellular global SIM - Includes €100 of data credit



500 mm



KEY FEATURES

- 01 Comprehensive Data:** Accurate water quality data in real-time
- 02 Reliable Connectivity:** Data transfer via cellular or SATCOM ensures seamless access
- 03 Easy Deployment:** Software is pre-loaded - simply turn on device, install and start logging
- 04 Sensor Integration Capability:** Able to integrate with a wide range of water quality sensors
- 05 Integrated Data Portal:** User-friendly portal for efficient data management and analysis

WATER QUALITY BUOY TECHNICAL SPECIFICATIONS

| SPECS | |
|--|---|
| BUOY DIMENSIONS | 500 mm diameter x 350 mm height |
| BUOY WEIGHT | 15 kg |
| MOORING EYE INNER DIAMETER | 28 mm |
| PRIMARY POWER SOURCE | Solar powered, 7 Watt |
| CONNECTIVITY | GSM (4G with 2G fallback) and Satellite (Iridium) |
| REAL-TIME DATA INTERVAL | 5 minutes – 24 hours (user selectable) |
| BATTERY | 1 single 18650 lithium-ion battery, nominal voltage 3.7 V |
| PARAMETERS | |
| SAMPLE INTERVAL | 5 - 60 minutes (User selectable) |
| TELEMETRY DATA QUEUE | In the event of temporary connection outages, a data queue ensures data is sent |
| DIAGNOSTIC PARAMETERS | Sensor inclination, battery voltage, signal strength, internal temperature |
| SENSOR | |
| SENSOR ALTERNATIVES | In-Situ Aqua TROLL, YSI EXO3, NKE WiMo, Aqualabo CTZN, Observator Analite NEP5000 |
| DATA OUTPUT | |
| PARAMETERS* | Data output is dependant on selected sensor type and required parameters |
| DATA STORAGE | |
|  CLOUD STORAGE | Free access to the Obscape Data Portal for real-time and historical data, sensor configuration, alerts |
|  ON-BOARD SD CARD | Data stored to the on-board SD card as a backup - or for cases where data connection is absent |

CONTACT US

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DATA ACCESS

SEAMLESSLY CONNECT FIELD DATA & OFFICE OPERATIONS

- 01 Real-time data:** Water quality data
- 02 Download:** CSV file, graphs, PDF report
- 03 Forwarding:** JSON API or HTTP post
- 04 Notifications:** Online/offline, battery level, parameter threshold exceedance

Integration Partners



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