



Water Quality Monitoring

Water Quality Station

ADVANCED WATER QUALITY DATA

The Obscape **Multiparameter Water Quality Station** combines real-time data logging, telemetry, and solar power, seamlessly integrating with industry-leading water quality instruments for high-accuracy environmental monitoring. Designed for 24/7 deployment, it features a wet-mateable connector for secure sensor interfacing and hassle-free installation. With preinstalled sensor-specific software, deployment is simple, and access to real-time data is seamless. Monitor key parameters such as turbidity, salinity, pH, temperature, pressure and oxygen content, ensuring reliable insights from project inception to post-monitoring phases. Select your preferred multiparameter sensor, from the list of supported sensors, to meet specific field measurement requirements.

PURCHASE INCLUDES

- Free access to the **Obscape Data Portal**
- Mounting brackets
- SD card - can also be run in offline mode

Optional:

- 1) **Satcom upgrade** for continuous connectivity beyond cellular range
- 2) **Cellular global SIM** - Includes €100 of data credit



KEY FEATURES

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

WATER QUALITY STATION TECHNICAL SPECIFICATIONS

SPECS	
HOUSING SIZE	195 mm height x 87 mm width x 87 mm depth
HOUSING WEIGHT	2 kg
PRIMARY POWER SOURCE	Solar-powered, 3 Watt
CONNECTIVITY	Cellular (4G with 2G fallback) and Optional upgrade to Satellite (Iridium)
REAL-TIME DATA INTERVAL	5 minutes - 24 hours (User selectable)
BATTERY TYPE	1 x 18650 Lithium-ion battery, nominal voltage 3.7V
OUTPUT POWER	12V
PROTOCOLS	RS485, Rs232, SDI-12, analog

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 EXCO3, NKE WiMo, Aqualabo CTZN, ANB Sensors, Observator Analite NEP5000
MAXIMUM SENSOR DEPTH	Up to 250 m

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

*Sensor options: Rugged Dissolved Oxygen, Optical Dissolved Oxygen, Actual and specific conductivity, pH/ORP, Salinity, Turbidity, Temperature, pressure, Chlorophyll a, Phycoerythrin (BGA-PE), Phycocyanin (BGA-PC), Rhodamine WT, Fluorescein WT Ammonium (ISE), Total dissolved solids (TDS), Chloride (ISE), Nitrate (ISE), Ion Selective Electrodes, Fluorometer, Crude Oil, Fluorescent Dissolved Oxygen

OPTIONAL SATCOM UPGRADE



SATCOM SPECS	
ANTENNA SIZE	Height 74.2mm / Diameter 66.5mm
NETWORK	Iridium
DATA LOAD	1 satellite credit per message
MONTHLY COST	Line rental and SATCOM credits

Satellite subscription services and credits available on request

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

CONTACT US

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Integration Partners



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