



Weather Monitoring

Offshore Weather Station



REAL-TIME MARINE WEATHER

Weather is a key factor in offshore operations, where rapid changes demand continuous monitoring for safety and efficiency. Obscape's **Offshore Weather Station** supports the AIRMAR WX Series sensors and delivers real-time, site-specific data. With built-in solar panels and cellular connectivity, installation is effortless. Designed for versatility, it mounts on buoys, USVs, ASVs, sailboats, and commercial vessels, measuring air temperature, pressure, wind speed, and direction. Unlike standard anemometers, it calculates both apparent and theoretical wind using GPS and a compass. Completely wireless and easy to deploy, the **Offshore Weather Station** ensures accurate, real-time weather insights wherever you operate.

KEY FEATURES

- 01 Comprehensive Data:** Accurate, real-time weather data for informed decision-making
- 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:** Lightweight and multiple mounting options for flexible setup
- 05 Integrated Data Portal:** User-friendly portal for efficient data management and analysis



Image may vary from actual product

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

OFFSHORE WEATHER STATION TECHNICAL SPECIFICATIONS

SPECS

HOUSING SIZE	195 mm height x 87 mm wide x 87 mm depth
HOUSING WEIGHT	2 kg
PRIMARY POWER SOURCE	Solar-powered, 3 Watt
CONNECTIVITY	Cellular (4G with 2G fallback)
REAL-TIME DATA INTERVAL	5 minutes - 24 hours (User selectable)
BATTERY TYPE	1 x 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	Latitude & longitude, battery voltage, solar panel voltage, signal strength



SENSOR

SENSOR TYPE	AIRMAR 200WX
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DEPLOYMENT

ENVIRONMENT	Deployment in marine environment only. Unsheltered environment with max exposure to sunlight and wind is required
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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

DATA OUTPUT

<input checked="" type="checkbox"/> Apparent wind speed	<input checked="" type="checkbox"/> Barometric pressure
<input checked="" type="checkbox"/> Apparent wind angle	<input checked="" type="checkbox"/> relative humidity
<input checked="" type="checkbox"/> Air temperature	

OPTIONAL SATCOM UPGRADE

Image may vary from actual product



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:** Weather parameters
- 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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