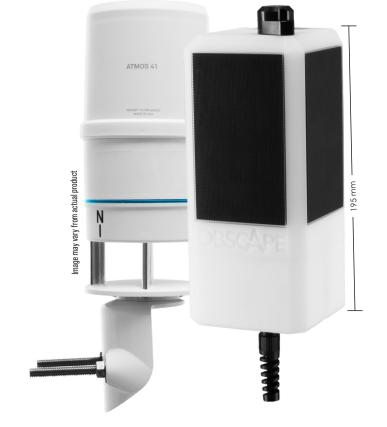


## MONITOR, ANALYZE ADAPT

Obscape's **Onshore Weather Station** delivers real-time reliable weather data by integrating with the ATMOS 41 sensor (industry-standard). With built-in solar panels and cellular connectivity, installation and access to your weather data has never been this easy. Incorporating the **Onshore Weather Station** into your monitoring setup ensures you capture the impact of wind, rain, and other atmospheric conditions. Weather data are essential for a wide range of applications - whether you're monitoring dune formation, catchment management, stormwater runoff, or ocean waves, understanding local weather is fundamental. The **Onshore Weather Station** provides essential information, making it an useful for any environmental monitoring program.



#### **KEY FEATURES**

- **O11** Comprehensive Data: Accurate, real-time weather data for informed decision making
- Reliable Connectivity: Data transfer via cellular networks ensures seamless access
- Compact & Robust Design: Durable, weatherproof housing built for tough conditions
- **14 Easy Deployment:** Lightweight and multiple mounting options for flexible setup
- **105 Integrated Data Portal:** User-friendly portal for efficient data management and analysis

#### **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

#### **ONSHORE WEATHER 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 Lithium-ion battery	
NOMINAL VOLTAGE	3.7 V	

PARAMETERS		
SAMPLE INTERVAL	5 - 60 minutes	
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 TYPE ATMOS 41

ENVIRONMENT

Deployment on land based unsheltered platforms only. Enough exposure to sunlight, rainfall and wind is required

DATA STORAGE	
CLOUD STORAGE	Free access to the <b>Obscape Data Portal</b> 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	
Air temperature	Wind speed & direction
Solar irradiance	Gust wind speed
Rainfall intensity	Vapour pressure
Lighting strike count	Atmospheric pressure
Lightning distance	Relative humidity

### 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

**11 Real-time data:** Weather parameters

**12 Download:** CSV file, graphs, PDF report

**13** Forwarding: JSON API or HTTP post

**()4 Notifications:** Online/offline, battery level, parameter threshold exceedance

#### **CONTACT US**

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