

Currents ADCP Station

HIGH-PRECISION MONITORING

The Obscape **ADCP Station** combines real-time data logging, telemetry, and solar power, seamlessly integrating with industry-leading **Nortek** sensors. Enabling seamless real-time monitoring of water column data. Designed for versatility, the **ADCP Station** supports profiling ranges up to 90m. Data is easily accessible via the **Obscape Data Portal**, offering instant access to reliable, high-precision data. Ideal for installation on fixed structures and offshore buoys, the station is built for a variety of environments. The device is perfect for shallow water deployments and delivers exceptional performance across ocean, coastal, and river applications.

KEY FEATURES

- 01 Comprehensive Data:** Accurate current data
- 02 Reliable Connectivity:** Data transfer via cellular networks ensures seamless data access
- 03 Easy Deployment:** Simple installation and setup
- 04 Sensor versatility:** Select the sensor for your needs
- 05 Integrated Data Portal:** User-friendly portal for efficient data management and analysis



PURCHASE INCLUDES

- Free access to the **Obscape Data Portal**
- 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



ADCP 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 (May require external power)
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 (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 OPTIONS	Nortek Aquadopp, Aquadopp Profiler, Signature, AWAC (Both legacy (v1) and new (v2) hardware versions)

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

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:** ADCP 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

E-mail: info@obscape.com
Website: www.obscape.com

WWW.OBSCAPE.COM

Kluyverweg 1, 2629HS Delft, The Netherlands | info@obscape.com