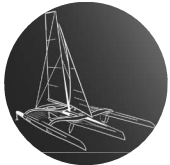


# EXOCET ESSENTIAL

## THE ESSENTIALS FOR NAVIGATION, DATA MANAGEMENT AND AUTOPILOT

The EXOCET Essential is an all-in-one package of essential functions for maximizing performance and safety in competition. Thanks to its standardized configuration, the EXOCET Essential offers a simple, effective solution, perfectly adapted to the needs of the majority of nautical projects.

## MAIN FEATURES



ADVANCED CALCULATION OF TRUE WIND AND LEEWAY



NAVIGATION DATA DISPLAY



AUTOMATIC SENSOR FAILURE MANAGEMENT



COLLECTION, PROCESSING AND RE-EMISSION OF NAVIGATION DATA



ALERTS SYSTEM



NAVIGATION DATA RECORDING AT 1Hz



MAN OVERBOARD MANAGEMENT



AUTOMATIC STEERING PERFORMANCE & SAFETY OVERCOVERS



## EXOCET ESSENTIAL OFFER

From €14,590 excl. VAT

- An EXOCET Essential box
- Two connection cables : CAN + CAN Ethernet
- A user guide

### OPTIONAL COMPLEMENTARY PRODUCTS

- ExoConnect connection box: analog or serial.
- 1 buzzer alarm box.
- Analog extension box, on CAN bus or Ethernet.
- EXOCET Essential keyboard (6 keys)

### OPTIONAL ADDITIONAL SERVICES

- Architecture of a multi-sensor system.
- Onboard integration
- Navigation support for calibration and familiarization.
- System configuration services.



# HOW IT WORKS



## NAVIGATION SENSORS

Wind, attitudes, performance, GPS, environment, etc.

## SOFTWARE

Current, waypoint, etc.



- COLLECTING AND PROCESSING OF NAVIGATION DATA
- ADVANCED CALCULATION OF TRUE WIND AND LEEWAY
- AUTOMATIC SENSOR FAILURE MANAGEMENT
- NAVIGATION DATA RECORDING AND TRANSMISSION (1 Hz)



## INFORMS THE CREW

Customizable Alerts

Intuitive, responsive Web interface

Keypad for autopilot overlays

- Multi-media display
- Compatible with on-board displays (B&G, Simrad, Garmin, NKE...)

## DATA TRANSMISSION

Send data ashore to Exocet Cloud interface service for storage, analysis and real-time remote viewing (on subscription)

## AUTOPILOT OVERLAYS

Optimizes autopilot B&G H5000 performance with safety and performance overlays. They provide intelligent trajectory instructions to improve your boat's behavior when sailing under autopilot.



## WHY CHOOSE EXOCET ESSENTIAL ?

- 3-in-1 product: high-performance navigation system, data management and autopilot
- Automated sensor failure management: in the event of a sensor failure, the Exocet Essential automatically switches to another sensor
- Accurate and responsive true wind calculation, including boat leeway estimate
- Scalability: system designed to receive software updates to integrate new features
- Broad compatibility for optimal integration and connectivity
- Stand-alone installation possible

# SPECIFICATIONS

## PHYSICAL AND ENVIRONMENTAL

- ✓ Weight: 350 g
- ✓ Size: W113 x H97 x P40mm
- ✓ Materials: Anodized aluminum
- ✓ Operating temperature: -10°C / +50°C
- ✓ Water resistance: IP67
- ✓ Input voltage: 9 - 51V
- ✓ Power consumption: 4W
- ✓ Certifications: CE EN 60945 and FCC

## INPUT/OUTPUT INTERFACES

- ✓ 1x Ethernet
- ✓ 2x CAN 2.0 B
- ✓ 6x Analog inputs - 16 bits 50 Hz
- ✓ 2x Digital contact inputs
- ✓ 3x Digital contact outputs
- ✓ 5x RS232 serial
- ✓ 1x RS232 / RS422 serial

## APPLICATIONS

- **NAVIGATE EFFICIENTLY** using reliable indicators such as true wind and vessel performance.
- **TAKE ADVANTAGE OF A READY TO USE SOLUTION** designed to meet the essential needs of competitive sailors.
- **OPTIMIZE YOUR AUTOMATIC PILOT** with a faster, safer trajectory
- **ANALYZE YOUR EXPLOITS** by recording precise navigation data to evaluate and improve your performance.
- **NAVIGATE SERENELY** by receiving customizable alerts for any sensor failure or weather change.

PIXEL SUR MER – [www.pixelsurmer.com](http://www.pixelsurmer.com)

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