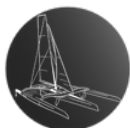# EXOCET ESSENTIAL

THE ESSENTIALS FOR NAVIGATION, DATA MANAGEMENT, AUTOPILOT AND SAFETY

Exocet Essential is an all-in-one unit for navigation, data, autopilot, and safety. Standardized, simple, and effective, it adapts to most projects. Integrating algorithms proven in IMOCA and Ultim campaigns, it makes offshore racing technology accessible to all. The 2025 version delivers enhanced safety with advanced Man Overboard functionality, optimized performance, and new graph-based analysis tools.

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**
- **AUTOPILOT PERFORMANCE & SAFETY OVERLAYS**

EXOCET ESSENTIAL

14 590 € ex. VAT

An EXOCET Essential provided with:
- Two connection cables: CAN + CAN Ethernet
- Installation guide
- 2 hours of remote support during the first year

Exocet Essential Pack
Buzzer option

- Exocet Essential
- Exocet Buzzer
- ExoConnect Analog
- Exocet Bracket
- Exocet Essential keyboard 6-keys
- 1 day engineer on board for commissioning and sea trials

15 990 € ex. VAT

Exocet Essential Pack
Voice option

- Exocet Essential
- Exocet Voice (to be compatible in 2026)
- ExoConnect Analog
- Exocet Bracket
- Exocet Essential keyboard 6-key
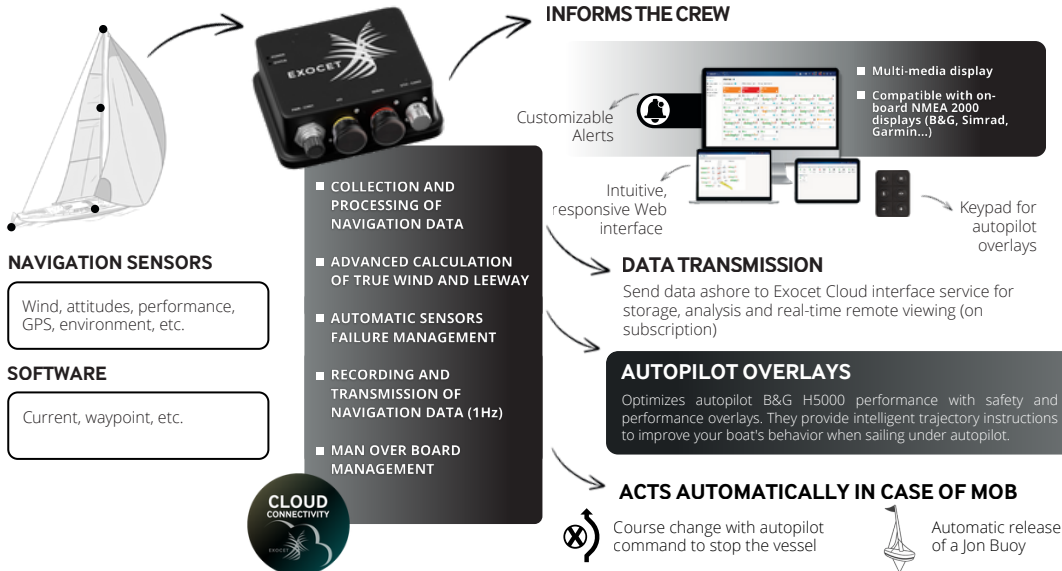- 1 day engineer on board for commissioning and sea trials

16 990 € ex. VAT

PIXEL SUR MER

INFORMS THE CREW

Customizable Alerts

- Multi-media display
- Compatible with on-board NMEA 2000 displays (B&G, Simrad, Garmin...)

Intuitive, responsive Web interface

Keypad for autopilot overlays

NAVIGATION SENSORS

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

SOFTWARE

Current, waypoint, etc.

- COLLECTION AND PROCESSING OF NAVIGATION DATA
- ADVANCED CALCULATION OF TRUE WIND AND LEEWAY
- AUTOMATIC SENSORS FAILURE MANAGEMENT
- RECORDING AND TRANSMISSION OF NAVIGATION DATA (1Hz)
- MAN OVER BOARD MANAGEMENT

CLOUD CONNECTIVITY

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.

ACTS AUTOMATICALLY IN CASE OF MOB

Course change with autopilot command to stop the vessel

Automatic release of a Jon Buoy

WHY CHOOSE EXOCET ESSENTIAL ?

- 3-in-1 product: high-performance sailing processor, 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 estimation
- Scalability: system designed to receive software updates to integrate new features
- Broad compatibility for optimal integration and connectivity
- Stand-alone installation possible

PHYSICAL AND ENVIRONMENTAL

- **Weight: 350 g**
- **Size: L113 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**
- **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.

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