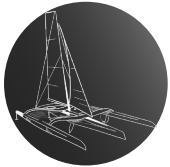# EXOCET ESSENTIAL

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
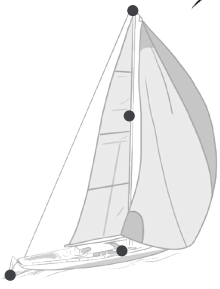
OPTIONAL COMPLEMENTARY PRODUCTS

- Two additional cables: serial cable and IO/analog cable.
- 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.

PIXEL sur MER

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)**

CLOUD CONNECTIVITY

INFORMS THE CREW

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

Customizable Alerts

Intuitive, responsive Web interface

Keypad for autopilot overlays

DATA TRANSMISSION

Send data ashore to Exocet Cloud interface (by subscription).

AUTOPILOT OVERLAYS

Optimizes autopilot 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 calculation

> 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: 113 x 97 x 40mm
- ✓ 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
Lorient La Base, Bâtiment Kerguelen 7 rue Lieutenant Bourely 56100 Lorient - France
sales@pixelsurmer.com - Tel : + 33 2 30 90 50 18

PIXEL SUR MER