

EXOCET SILVER NAVIGATION SYSTEM

A NAVIGATION SYSTEM FOR THE NEW CHALLENGES OF SAILING

EXOCET Silver is an innovative navigation system developed on the world's largest racing yachts to meet the new challenges of modern sailing.

EXOCET Silver was designed for the extreme environment of competitive sailing, but is also perfectly suited to all kinds of marine 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**



**FUNCTION EXTENSIBILITY
THROUGH MANTA
PROGRAMMING**



**AUTOMATIC STEERING PERFORMANCE & SAFETY
OVERCOVERS (optional)**



EXOCET SILVER OFFER

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

***Optional pilot overlay**

ADDITIONAL OPTIONAL EXTRAS

- Blink keyboard: control & sail selection
- Additional cables: serial and IO/analog
- ExoConnect connection box: analog or serial
- 1 or 2 buzzers alarm box
- Contact input extension box (x16 inputs)
- Contact output extension box (x8 outputs)
- Analog, serial expansion boxes on CAN or Ethernet

ADDITIONAL OPTIONAL SERVICES

- System configuration and interface customization (2 to 8 days) to be determined according to your specifications
- Multi-sensor system architecture
- On board integration service
- Service for interfacing unlisted sensors



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HOW DOES IT WORK ?



NAVIGATION SENSORS

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

SOFTWARE

Current, waypoint, sail configuration, etc.



- COLLECTION AND PROCESSING OF NAVIGATION DATA
- ADVANCED CALCULATION OF TRUE WIND AND LEEWAY
- AUTOMATIC SENSOR FAILURE MANAGEMENT
- FUNCTION EXTENSIBILITY THROUGH MANTA PROGRAMMING
- NAVIGATION DATA RECORDING AND TRANSMISSION (1Hz)



INFORMS THE CREW

Customizable alerts

Intuitive, responsive web interface



- Customizable multi-media display, including compatible watches
- Compatible with on-board displays (B&G, Simrad, Garmin, NKE...)

Control keypad for autopilot overlays

DATA TRANSMISSION

Send data ashore to Exocet Cloud interface (by subscription) On-board gateway to third-party equipment and software

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 SILVER ?

- ✔ Automated sensor failure management: in the event of failure, Exocet Silver automatically switches to another sensor
- ✔ Accurate and responsive true wind calculation, including boat leeway calculation
- ✔ Delivered with a basic configuration, but fully customizable to user requirements via its Manta graphical programming interface
- ✔ Scalability: system designed to receive software updates to integrate new features (for a fee)
- ✔ Broad compatibility for optimal integration and connectivity

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
- Certification : 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 PERFORMANTLY** using reliable indicators such as true wind and vessel performance.
- **CUSTOMIZE AT WILL** by adapting the system to your specific needs with advanced customization options.
- **OPTIMIZE YOUR AUTOMATIC PILOT** with a faster, safer trajectory.
- **ANALYZE YOUR SAILINGS** by recording precise navigation data to evaluate and improve your performance.
- **NAVIGATE SERENELY** with customizable alerts for any sensor failure or weather change.

