



La solution à vos mesures

# GEOD PPU Portable Pilot Unit

**Geod™ PPU** is a cost effective solution for all piloting tasks.  
A new solution for harbour pilot, with all the benefits that a Portable Pilot Unit can offer.

- ▶ **Quick and Easy to set up**
- ▶ **Small & compact**
- ▶ **Cost effective**
- ▶ **Lightweight**
- ▶ **Easy to use**
- ▶ **Stand alone**
- ▶ **Robust & reliable**



**Geod™ PPU** combines the latest GNSS technology (GPS, SBAS) and a built-in gyroscope, in order to provide accurate positioning, heading, and rate of turn measurements.

**Geod™ PPU** transmits the navigation data to the pilot's laptop via a wireless LAN connection (WI-FI). The pilot has full access to the navigation data all over the bridge. Using dedicated software, the ship's position is overlaid onto official electronic charts to display position, speed vector, heading, rate of turn and motion prediction.



## Functionalities

- GPS, DGPS (integrated WASS-EGNOS), high sensitivity, fast acquisition.
- Built-in Gyro sensor.

## GNSS Specifications

- Receiver: L1, C/A code, 12 channels...
- Update rate: from 1 to 10 Hz
- Horizontal accuracy: <math><0.6\text{m}</math> @ 95% DGPS
- Speed over course: <math><0.1\text{ kt}</math>
- Heading accuracy: <math>0.2^\circ\text{ RMS}</math>
- Rate of turn accuracy: <math><0.5^\circ/\text{min}</math>

## Operational Specifications

- Set-up: less than 1 minute
- Start-up: less than 1 minute

## General Specifications

- Internal battery (>6 hrs autonomy)
- Dimensions: 390 x 290 x 200 mm
- Weight: 4.5 Kg
- Operating temperature:  $-30^\circ$  to  $55^\circ\text{ C}$
- Storage temperature:  $-40^\circ$  to  $85^\circ\text{ C}$
- Enclosure: IP67

## Options

- Navigation software (Qastor ...)
- Rugged Mobile PC/Tablet (Windows 7 Pro)
- Waterproof backpack (80 liters)

