

CONCENTRATOR

Data management and transmission

Installed onboard fishing boats, the **CONCENTRATOR** enables to manage and transmit measures from various operating data loggers (water temperature, pressure, turbidity ...).

The **CONCENTRATOR** receives and records data from the data loggers and the GPS position of the boat. This data can be sent to a management station by GPRS.

- Automatic time setting of the **CONCENTRATOR** each time a valid position from the integrated GPS is available
- Operation and configuration of the **CONCENTRATOR** with a radio Data Pencil connected to a PC



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Data loggers



CONCENTRATOR

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The **CONCENTRATOR** includes:

- an electronic board : microprocessor, storage memory, embedded software and a 868MHz transmitter/receiver circuit ;
- an integrated GPS [automatic time setting of the concentrator each time a valid position is available (UT time)];
- a GSM/GPRS radio modem depending on version*.

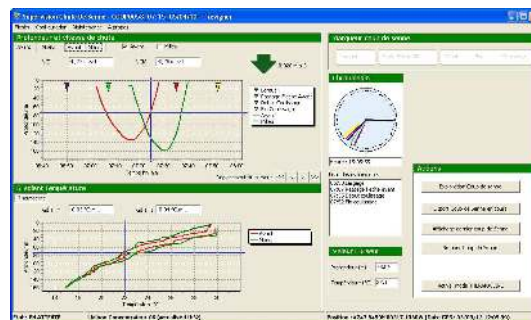
Operation and configuration of the **CONCENTRATOR** are performed with a radio Data Pencil connected to a PC.

* contact us for information

| DESIGNATION | | CONCENTRATOR |
|---|-----------------|---|
| Electronic board characteristics | Board | Internal clock with calendar |
| | Automatic start | On/off controled with a pressure sensor |
| | Sampling rate | Programmable from 1 minute to 99 hours |
| | Memory | 2 to 3 months autonomy, sampling rate 15 mn for 4Mo Up to 4 years, sampling rate 15 mn |
| | Energy | 8 to 27 volts DC |
| Mechanical characteristics | Protection rate | IP66 with a plug on the connectors |
| | Dimensions | 220 x 120 x 90 mm |
| | Material | polycarbonate |
| | Weight in air | 1.45 kg |

Examples of use of the **CONCENTRATOR**:

- Fishing effort monitoring
- Optimisation of the number of sets
- Socio-economic impact studies of marine projects
- Fishing activities monitoring in marine protected areas



> IHM fishing application

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