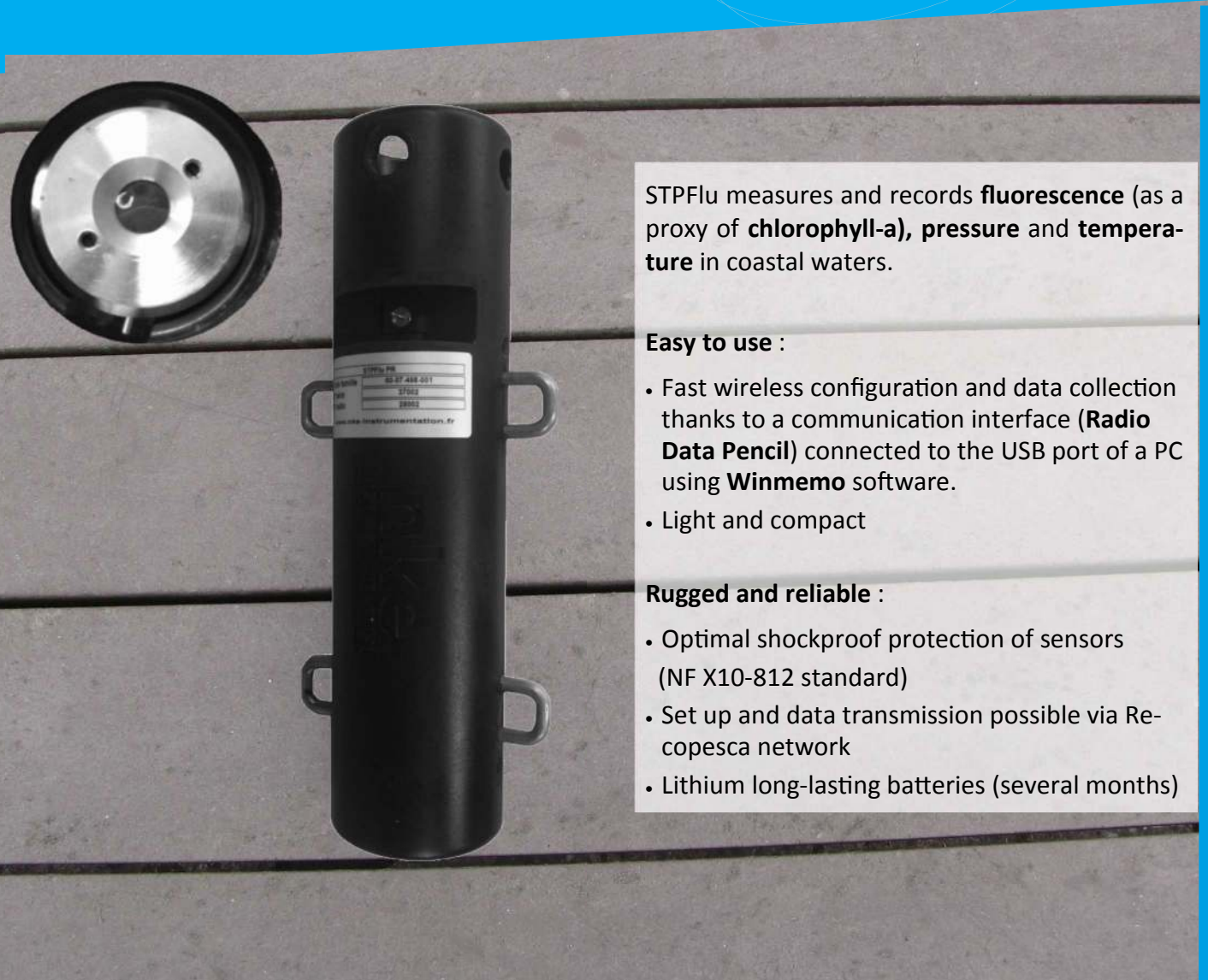




STPFlu data logger

Profile and measurement of fluorescence (as a proxy of chlorophyll a), water depth and temperature




STPFlu measures and records **fluorescence** (as a proxy of **chlorophyll-a**), **pressure** and **temperature** in coastal waters.

Easy to use :

- Fast wireless configuration and data collection thanks to a communication interface (**Radio Data Pencil**) connected to the USB port of a PC using **Winmemo** software.
- Light and compact

Rugged and reliable :

- Optimal shockproof protection of sensors (NF X10-812 standard)
- Set up and data transmission possible via Re-opesca network
- Lithium long-lasting batteries (several months)

Developed as part of the UE Nexos project 



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STPFlu *autonomous data logger*

Water quality control

Examples of use of STPFlu :

- Coastal oceanographic research
- Study of eutrophication in near cost areas
- Sensors for fishery management on board small volunteer vessels or research vessels
- Stock evaluation and fisheries research



STPFlu - PR: Profiler version, Radio communication (via a Radio Data Pencil)

DESIGNATION		STPFlu
Order code	PR	60-07-498
Fluorescence (as a proxy of Chlorophyll a)	Range	0 - 500 µg/l
	Minimum Detection Limit	0.025 µg/l
Depth	Range	0 - 300 m
	Accuracy	0.9 m
	Resolution	< 0.1 m
Temperature	Range	-5 to + 35 °C
	Accuracy	< 0.05 °C
	Resolution	0.01 °C
	Response time (63%)	< 3 s
Time	Internal clock with calendar (clock drift +/- 1 mn/month)	
Sampling rate	Programmable from 1 second to 99 hours	
Autonomy	Memory	1Mo, 600 000 mesures
	Energy	3 months at 10 s sampling rate (replaceable Lithium batteries)
Mechanical features	Material	Plastic
	Dimensions	∅ 74 x 285 mm
	Weight in air	1387 gr

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