



STPS Temperature, Pressure and Salinity data logger

Water quality monitoring: measurement and profile of salinity, water depth and temperature



STPS measures and records **temperature**, **pressure** and **conductivity**. **Salinity** is deduced by calculation. STPS has been designed for a simple and an optimal use even in harsh environments, down to 300m.

Easy to use:

- Fast wireless configuration and data collection thanks to a communication interface (**Inductive or Radio Data Pencil**) connected to the USB port of a PC using **Winmemo** software.
- Easy maintenance simply by unscrewing sensors protection housing
- Lightweight and compact design

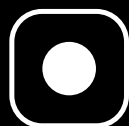
Robust and reliable:

- Optimal sensor protection for shock resistance
- Possibility to transfer data underwater
- Long-lasting Lithium batteries (several years)

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STPS *autonomous data logger*

Water quality monitoring



Several versions and depth ranges of STPS are available:

STPS xxx-SI: Station version (for stationary measurements), Inductive communication (via an Inductive Data Pencil).

STPS xxx-PR: Profiler version, Radio communication via a Radio Data Pencil or a Concentrator (automatic collecting system on opportunity fishing vessel).

xxx: depth ranges **10m, 30m, 150m or 300m.**

DESIGNATION		STPS10	STPS30	STPS150	STPS300
Order code	SI Version	60-07-221	60-07-232	60-07-233	-
	PR Version	-	-	60-07-234	60-07-222
Depth (D)	Range	10 m	30 m	150 m	300 m
	Accuracy	3 cm	9 cm	30 cm	90 cm
	Resolution	0.24 cm	0.72 cm	2.4 cm	7.2 cm
Temperature (T)	Range	-5 +35°C			
	Accuracy	<0.05°C			
	Resolution	0.001°C at 10°C			
	Response time	Station: <3s at 63% - Profiler : <0.5s at 63%			
Conductivity (C)	Range	0 to 2000µS/cm or 0 to 70 mS/cm			
	Accuracy	5 µS/cm or 0.05 mS/cm			
Salinity (S)	Range	2 to 42°/° at 20°			
	Accuracy	<0.1°/°			
Time		Internal clock with calendar (Clock drift +/- 1 mn/month)			
Automatic recording		Programmable trigger depending on depth, date...			
Sampling rate		Programmable from 1 second to 99 hours			
Autonomy	Memory	1Mb, 4 years recording at 10mn			
	Energy	> 4 years recording at 10 mn (replaceable Lithium batteries)			
Dimensions		217 mn x 30 mm			
Weight in air		180 gr			

A localised chlorination system can be added to STPS to protect the sensors against biofouling.

Examples of use of STPS :

- Water quality monitoring, eg in oyster and shellfish areas
- Salinity measurement to validate hydrodynamic models



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STPS 30 SI



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Sales Department
Tel : +33 (0)2 97 36 41 31 - Fax : +33 (0)2 97 36 55 17
info.instrumentation@nke.fr
www.nke-instrumentation.com

