



STBD *turbidity data logger*

*Profile and measurement of
turbidity, water depth and temperature*



STBD measures and records **turbidity** (automatic range available), **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
- Set up and data transmission possible underwater
- Lithium long-lasting batteries (several years)

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STBD *autonomous data logger*

Water quality control

Examples of use of STBD :

- Suspended growth, visibility, pollution, sediment transport, particles profile...

Optional :

- Wiper (max depth : 100m)

Several versions of the **STBD** are available depending on the **depth range** and the temperature response time: 20m, 150m, 300m, 1200m et 6000m.

STBD-SR: Stationary version, **Radio communication** (via a Radia Data Pencil)

STBD-PR: Profiler version, **Radio communication** (via a Radia Data Pencil)



DESIGNATION		STBD20	STBD150	STBD300	STBD1200	STBD6000 SI
Order code	SR	60-07-130	60-07-171	60-07-131		60-07-219
	PR			60-07-354	60-07-355	
Turbidity	Sensitivity	0-25 / 0-125 / 0-1000 NTU * or automatic range				2,5 NTU
Seapoint STM sensor	Resolution	< 0.03%				< 0.03%
	Accuracy	< 5%				< 5%
	(sensor linearity)					
Depth	Range	20 m	150 m	300 m	1200 m	6000 m
	Max depth	40 m	500 m	500 m	2000 m	6000 m **
	Accuracy	0.3%	0.3%	0.3%	0.3%	0.3%
	Resolution	0.6 cm	<5 cm	9 cm	35cm	1.8m
Temperature	Range	-5 +35°C				
	Accuracy	50m°C from 0 to 20°C				
	Resolution	5m°C @ 0°C				
	Response time (63%)	SR: < 2s - PR: <0.5s				
Time	Internal clock with calendar (clock drift +/- 1 mn/month)					
Sampling rate	Programmable from 1 second to 99 hours					
Autonomy	Memory	1Mo, 600 000 measures				
	Energy	4 years at 15 min sampling rate				
		>4,5 months at 10s sampling rate				
		(replaceable Lithium batteries)				
Mechanical features	Material	Plastic				PVC/titanium
	Dimensions	Ø29x400 mm				Ø33.4x314mm
	Weight in air	445 gr				600 gr

* **Linear up to 1 000 NTU, Possible measurement up to 2000 NTU**

** **5000m with a coefficient of security of 1,2**



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*Pictures
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