

STBD
Autonomous Recorder

Turbidity / Pressure / Temperature

The STBD recorder measures turbidity (or the concentration of suspended particles) on a 750 NTU (3 g/l) range, depth and temperature.

It is equipped with a SeaPoint sensor emitting a modulated light at 880 nm. The light reflected by the particles is detected by a cell which provides a signal proportional to their concentration in the medium. Measurement of turbidity is possible up to concentrations of 2,000 NTU. The STBD can be supplied with a sensor of greater sensitivity, up to 2.5 NTU over the full scale.

Three depth ranges, 20, 300 and 6,000 meters, are available.

The measure of temperature is made with a good level of accuracy and low time constant.

STBD20 or STBD300 Recorder



The STBD recorder can store up to 600,000 data points. It has its own source of energy (pack of interchangeable lithium batteries) and the dated data are read by a PC via a portable inductive serial interface.

A Windows-based software allows viewing and processing of the data.

Applications

Suspended biomass, visibility, pollution, sediments transport, particles profile ...

STBD20 Recorder STBD300 Recorder	Ref : 60-07-130 Ref : 60-07-131
Turbidity Sensitivity Resolution Accuracy Measurement up to	0 – 750 NTU < 0.03% < 2% 2,000NTU
Depth STBD20 Range Maximum depth Accuracy (relative) Resolution STBD300 Range Maximum depth Accuracy Resolution	20 m 60 m 0,5 % (10 cm) < 1 cm 300 m 400 m 0.5 % (1.5 m) < 10 cm
Temperature Sensitivity Resolution Accuracy Response time	-5°C +35°C 5m°C at 0°C 50m°C from 0 to 20°C < 1s (90%)
Autonomy Memory Energy	600,000 data points (1Mb with data compression) 3 years at 10min measurement rate 6 months at 1min measurement rate
Material	Plastic
Dimensions	Length 300 mm, Diameter 26 mm

6,000m and 2.5 NTU version, please contact us.



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