

# Thermosalinograph

**Attention:**

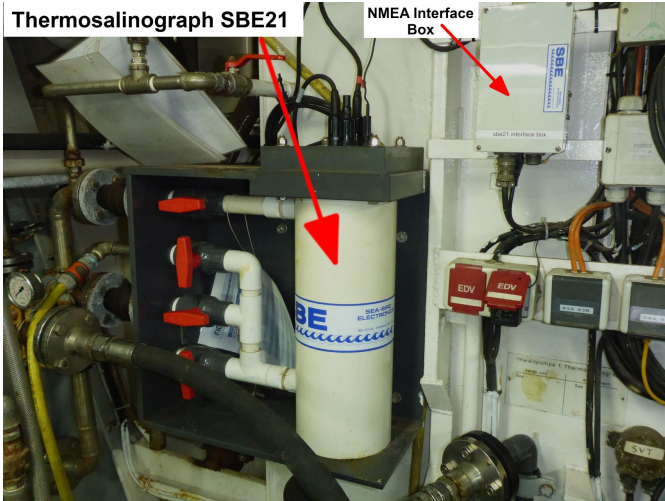
Thermosalinograph data stored in data acquisition system DShip are uncorrected measurement data.

## Summary

The thermosalinograph is an instrument used to accurately determine sea surface conductivity and temperature. The remote temperature sensor SBE38 is integrated with the SBE21 Thermosalinograph.

Manufacturer	Seabird
Model	SBE21 with SBE38
Serial No.	2153181-3333, 2153181-3334, 3853181-0474, 3853181-0477
Type	thermosalinograph
REGISTRY-Link	<a href="#">REGISTRY (8561)</a>

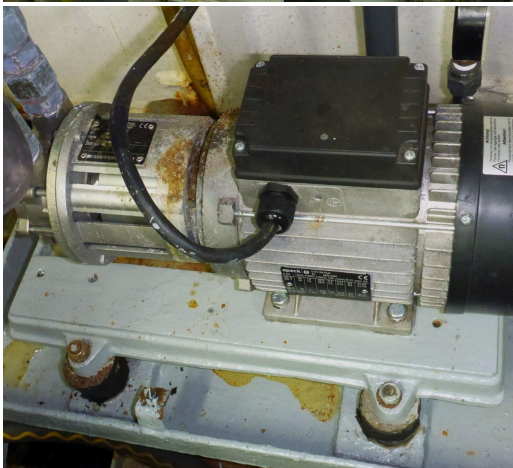
Thermosalinograph SBE21



NMEA Interface Box



Thermosalinograph electric control box

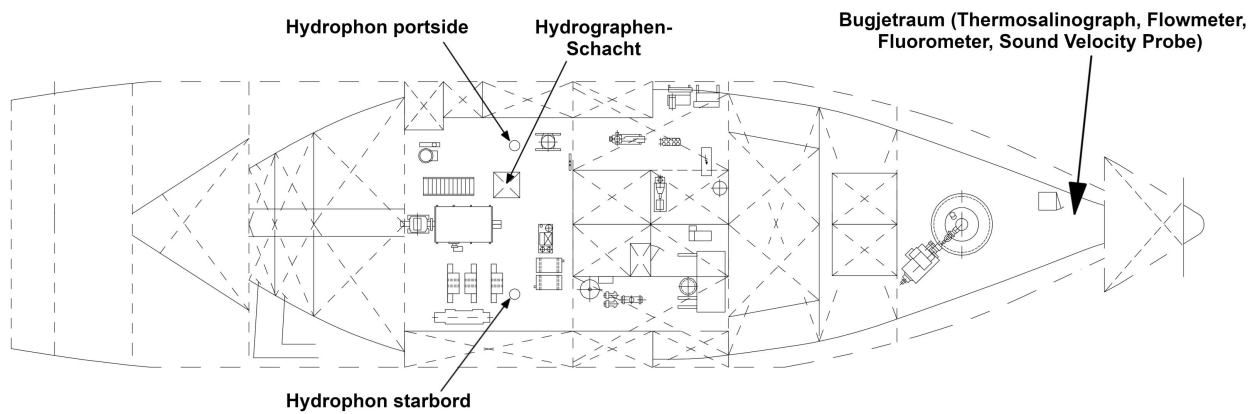


Thermosalinograph system pump



Temperature sensor SBE38

## Locations on RV Heinckes tank deck



## Contacts

Name	Institution	Role
Sandra Tippenhauer	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Editor
FIELAX GmbH	FIELAX Gesellschaft für wissenschaftliche Datenverarbeitung mbH	Engineer In Charge

## Components

The thermosalinograph consists of the SBE21, the external thermometer SBE38, the NMEA interface box and a pipe system with a flow meter. The system is located in the bow room of the tank deck. Two devices of type SBE21 and two devices of type SBE38 exist on RV Heincke. They are used in rotation and calibrated regularly.

Name	Model	Serial Number	REGISTRY-Link
Temperature Sensor SBE38	SBE38	3853181-0477	<a href="#">REGISTRY (8560)</a>
Thermosalinograph SBE21	SBE21	2153181-3333	<a href="#">REGISTRY (8557)</a>

## Position

<b>Info</b>	no xyz-position given.The device is installed in the bow room of the tank deck.
<b>X</b>	0.0 (no unit given) (no description given)
<b>Y</b>	0.0 (no unit given) (no description given)
<b>Z</b>	0.0 (no unit given) (no description given)

## Data logging, storage and archiving

### Logged parameter

Parameter	O2ARegistry Output Type	Unit
conductivity	conductivity	Hz
Salinity	salinity	PSU
internal temperature	temperature	Hz
external temperature	water temperature	Hz
first voltage	voltage	V
second voltage	voltage	V

### Central geographical ship's position and time standard

### Rawdata storage on board

### DShip

### Data archiving on land

## Documentation

See information for subdevices.