

CTD Probe with Carousel Water Sampler

**Attention:**

Please note that operations of the CTD (Conductivity-Temperature-Depth) watersampler requires experienced scientific staff on board. The system is not operated by the ship's crew. Announce operations with the CTD Watersampler to AWI-Logistics prior to the cruise and clarify the data transfer after the cruise.

Summary

The CTD probe measures conductivity and temperature along a vertical transect through the water body. The measured parameter are used to calculate the salinity of the water. Additionally, up to 24 water samples can be taken in different water depths during the CTD measurements.

Manufacturer	Seabird
Model	SBE911plus mit SBE32
Serial No.	n/a
Type	CTD
REGISTRY-Link	REGISTRY (1399)



Contacts

Name	Institution	Role
Mario Hoppmann	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Engineer In Charge
Sandra Tippenhauer	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Engineer In Charge
Alfred Wegener Institute for Polar and Marine Research	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Owner

Components

Subdevices

Name	Model	Serial Number	REGISTRY-Link
Altimeter Teledyne (Benthos) PSA-916		1228	REGISTRY (5902)
Fl. Chla. Wetlabs FLRTD		1670	REGISTRY (5905)
SBE32 Water sampling frame		657	REGISTRY (5897)
SBE3plus temperature sensor SN 2417	SBE3plus	n/a	REGISTRY (8136)

SBE3plus temperature sensor SN 2460	SBE3plus	n/a	REGISTRY (8137)
SBE4 conductivity sensor SN 2054	SBE4	n/a	REGISTRY (8138)
SBE4 conductivity sensor SN 2055	SBE4	n/a	REGISTRY (8139)
SBE43 dissolved oxygen sensor SN 048		048	REGISTRY (5879)
SBE43 dissolved oxygen sensor SN 743		743	REGISTRY (6182)
SBE5 pump		1954	REGISTRY (5891)
SBE5 pump		8791	REGISTRY (5892)

Position

Info	no xyz-position given, device stored on deck E and deployed when needed
X	0.0 (no unit given) (no description given)
Y	0.0 (no unit given) (no description given)
Z	0.0 (no unit given) (no description given)

Data logging, storage and archiving

Logged parameters

Parameter	O2ARegistry Output Type	Unit
conductivity	conductivity	S/m
temperature	water temperature	°C
altimeter	distance	m
transmission	visibility	%
oxygen	oxygen	ml/l
pressure	pressure	dbar
fluorescence	fluorescence	V

Central geographical ship's position and time standard

Rawdata storage on board

Data archiving on land

Documentation

- [CTD_SBE911_brochure \(Factsheet, 522 kB\)](#)
- [CTD_SBE911_manual \(User Manual, 5 MB\)](#)