

Optimare Precision Salinometer (OPS)



Attention:

Please note that the system can only be operated upon request. Operations of the Salinometer requires experienced scientific staff on board. The system is not operated by the ship's crew. Announce operations with the Salinometer to AWI-Logistics prior to the cruise and clarify the data transfer after the cruise.

Summary

The Precision Salinometer calculates the salinity of a water sample from the measurement of the electrical conductivity and the determination of its temperature. The calculations are based on the Practical Salinity Scale 1978 (PSS78) as published by UNESCO.

Manufacturer	Optimare
Model	Precision Salinometer
Serial No.	n/a
Type	salinity sensor
REGISTRY-Link	REGISTRY (8445)



Contacts

Name	Institution	Role
Sandra Tippenhauer	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Engineer In Charge, Data Provider

Components

Data logging, storage and archiving

Logged parameters

Conductivity, Salinity, Bath Temperature (incl. drift)

Central geographical ship's position and time standard

Rawdata storage on board

Documentation

- <https://www.awi.de/en/science/climate-sciences/physical-oceanography/instruments/precision-salinometer-system.html> (Web site)
- Product Sheet Salinometer (Factsheet, 333 kB)