

Ferrybox

**Attention:**

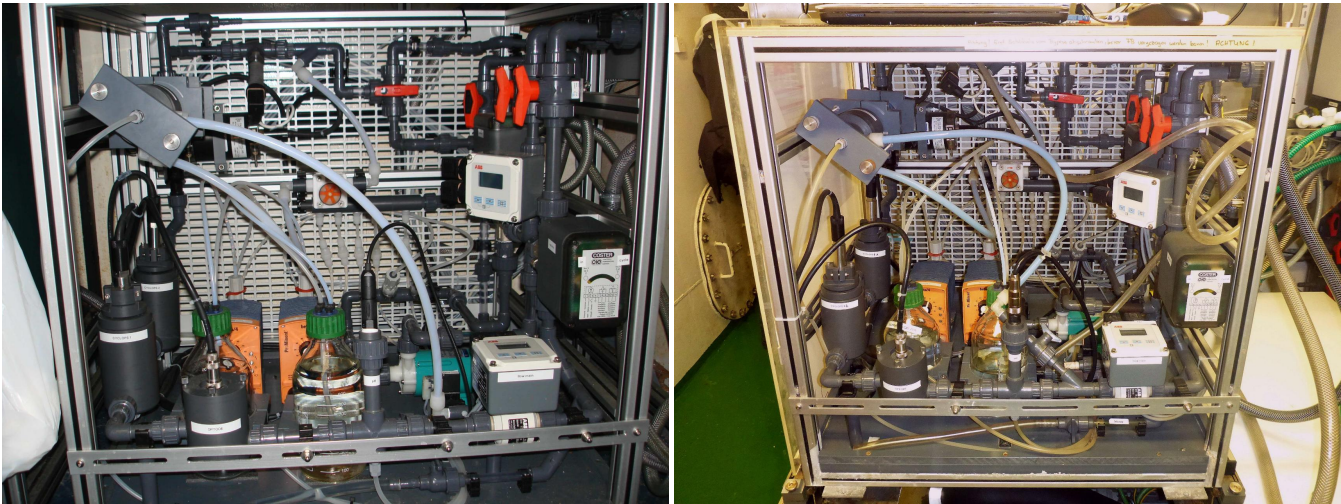
Please note that the Ferrybox can only be operated upon request. Request operations with the Ferrybox to AWI-Logistics in sufficient time prior to the cruise.

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

Summary

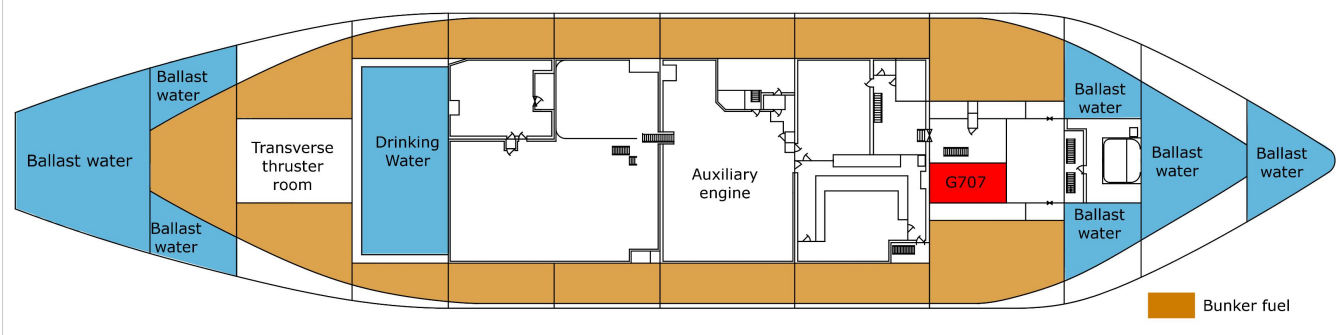
The FerryBox is an automatic, flow-through system to measure water parameters (e.g. temperature, conductivity, sound velocity, pH, fluorescence) continuously and unattended.

Manufacturer	4H Jena
Model	Ferrybox COSYNA
Serial No.	PS
Type	small scale facility
REGISTRY-Link	REGISTRY (61)



schematic drawing of Polarstern deck G

location of room G707 (General Oceanics and Ocean Pack pCO2 systems, Ferrybox, ADCP electronics)



Contacts

Name	Institution	Role
Martina Gehrung	Helmholtz-Zentrum hereon GmbH	Engineer In Charge
Antje Boetius	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Principal Investigator
Kristine Carstens	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Editor
Gisbert Breitbach	Helmholtz-Zentrum hereon GmbH	Editor
Joost Hemmen	Helmholtz-Zentrum hereon GmbH	Data Scientist, Editor
Yoana Voynova	Helmholtz-Zentrum hereon GmbH	Principal Investigator

Components

Position

Info	no xyz-position given, device located on deck G in room G707
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
fluorescence chlorophyll a raw	fluorescence	g/l
turbidity	turbidity	NTU
fluorometer temperature	water temperature	°C
ph	pH	unknown
flow	flow	l/min
pressure	pressure	mbar
oxygen corrected	oxygen	mol/l
conductivity	conductivity	mS/cm
water temperature	water temperature	°C
salinity	salinity	PSU
phycocyanin	phycocyanin	cells/ml
NO2	nitrogen dioxide	mol/l
NO3	nitrate	mol/l
nitrite	nitrite	mol/l
fluorescence chlorophyll a TR	fluorescence	g/l
CDOM	chromophoric sensor	ppb
ph temperature	temperature	°C
PO4	colorimetric	mol/l
SIO2	silicate	mol/l
quality-flag	quality flag	unknown
oxygen	CO2	mol/l
saturation	saturation	%
NH3	colorimetric	mol/l

Central geographical ship's position and time standard

Rawdata storage on board

Dship

Data archiving on land

Documentation

- [Factsheet: Ferrybox on R.V. Polarstern \(Factsheet\)](#)
Factsheet: Ferrybox on R.V. Polarstern
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