

Ferrybox

**Attention:**

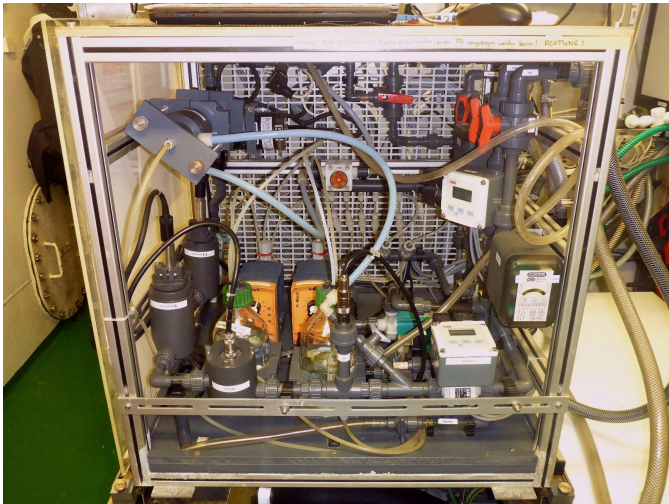
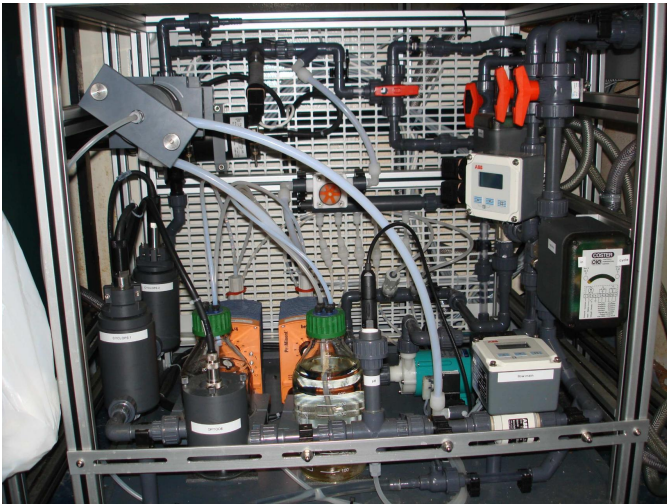
Please note that the Ferrybox can only be operated upon request. Request operations with the Ferrybox to AWI-Logistics in sufficient time prior to the cruise.

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

Summary

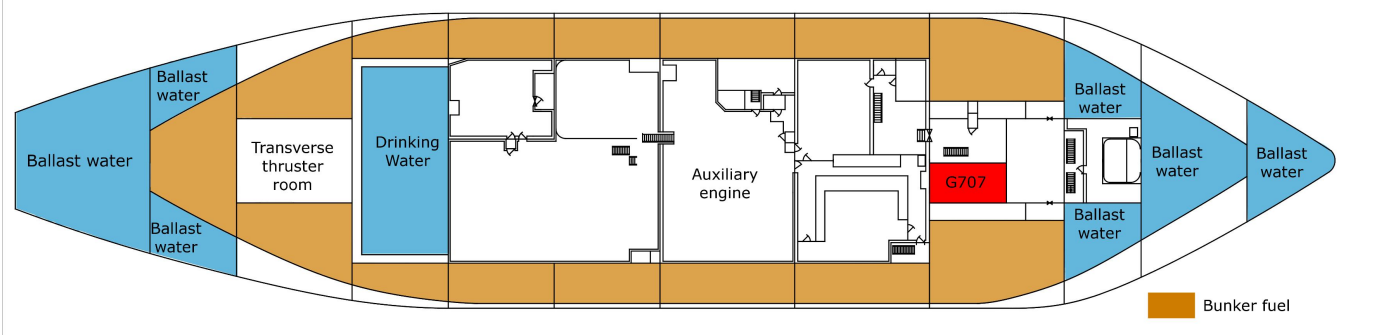
The FerryBox is an automatic, flow-through system to measure water parameters (e.g. temperature, conductivity, sound velocity, pH, fluorescence) continuously and unattended.

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
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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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