Scanmar Fishnet Echo Sounders

> ⚠️ **Attention:**
>
> Please note that operations of the Fishnet Echo Sounders requires experienced scientific staff on board and can only be operated upon request. The system is <u>not</u> operated by the ship's crew. Request operations with the Fishnet Echo Sounders to AWI-Logistics in sufficient time prior to the cruise and clarify the data transfer after the cruise.

Summary

The net echo sounders are used for information about the status of fishnets deployed in the water. Information about depth of the net, distance to seabed and amount of fish coming in are provided. Small sensors are attached to the trawl and deliver data to the ship where they are received by hydrophones. The SCANBAS365 system can be used together with the SS4 catch sensor, the SS4 door sensor and the TE40 trawl eye available on RV Heincke.

Manufacturer	Scanmar
Model	SCANBAS365
Serial No.	n/a
Type	echo sounder
REGISTRY-Link	REGISTRY (9215)

Scanmar console on bridge deck

Scanmar Door Sensor SS4-D-VTLR

Scanmar Spare Battery BP9-5.0

Storage of Scanmar Fishnet Sounders

Scanmar battery charger

Transducer Frequency

Contacts

Name	Institution	Role
Ralf Krocker	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Engineer In Charge

Components

The Scanmar sensors and the battery charging equipment are stored in the Umformerraum. Two hydrophones are permanently installed on the hull of the ship. The working console with SCANBAS365 installed is situated on the bridge. It analyzes and visualizes the data.

Position

Info	no xyz-position given. The system is operated from the console on the bridge. The net sensors are stored in the Umformerraum in the forecastle.
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
depth of trawl	depth	m

Central geographical ship's position and time standard

Rawdata storage on board

DShip

Data archiving on land

Documentation

- Scanmar battery charging (Factsheet, 454 kB)

- SS4 DoorSensor Specification (Factsheet, 182 kB)

- SCANBAS365 Quick Guide (User Manual, 653 kB)

- SCANBAS365 User Manual (User Manual, 2 MB)

- Scanmar SS4 Catch Sensor (Factsheet, 109 kB)