

Visibility Sensor [Weather Station]



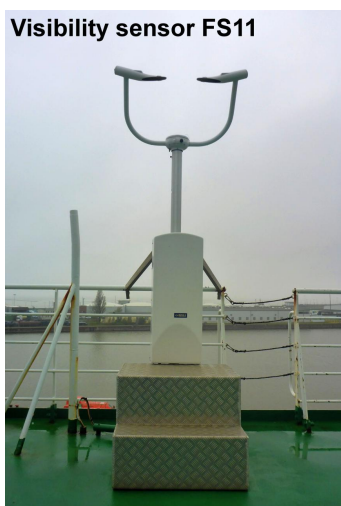
Attention:

The Visibility Sensor is part of the [Weather Station](#).

Summary

The visibility sensor detects the visibility up to a distance of 75 km by emitting a defined amount of light and measuring the amount of scatter light.

Manufacturer	Vaisala
Model	FS11
Serial No.	n/a
Type	meteorological package
REGISTRY-Link	REGISTRY (1408)



Contacts

Name	Institution	Role
Bernd Loose	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Engineer In Charge
Holger SchmithÅ¼sen	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Principal Investigator, Data Scientist

Position

Info	xyz-position from Alignment Survey Report RV Polarstern (June 2016), located on top deck
X	60.753 m (X-0 is at the center of der rudder (ref. design drawing of the vessel), positive X-axis is forward and along vessel centerline)
Y	8.914 m (Y-0 at centerline, positive Y-axis is portside)
Z	29.718 m (Z-0 is set to the lowest point of the keel, positive Z-axis is upwards)

Parameters

Parameter	O2ARegistry Output Type	Unit
visibility	distance	m

Documentation

- [Visibility Sensor FS11 datasheet \(Factsheet, 226 kB\)](#)