

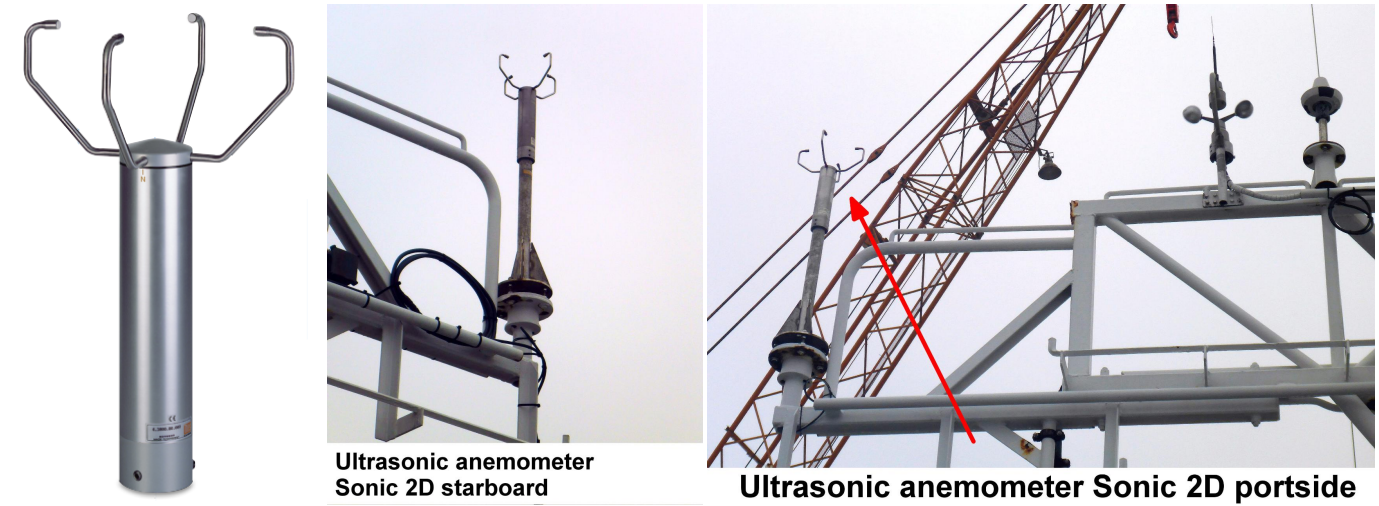
Wind Sensor (Anemometer) [Weather Station]

**Attention:**
The Wind Sensor (Anemometer) is part of the [Weather Station](#).

Summary

Two anemometers are attached to the main mast of the vessel. Taking in account ship speed and course over ground as well as heading, true wind speed and wind direction can be calculated. For further analysis only the data of the windward anemometer are used.

Manufacturer	Adolf Thies GmbH
Model	Ultrasonic Anemometer Sonic 2D
Serial No.	n/a
Type	meteorological package
REGISTRY-Link	REGISTRY (1413)



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	The anemometer are located onthe upper mast platform
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)

Parameters

Parameter	O2ARegistry Output Type	Unit
true wind direction	attitude	deg
true wind velocity	wind speed	m/s
true wind velocity (Beaufort)	wind speed	Bft
true wind velocity (Knots)	wind speed	knot
maximum relative wind velocity during the last minute	wind speed	m/s

Documentation

- [USAnemometer-2D_datasheet \(Factsheet, 188 kB\)](#)
- [USAnemometer-2D_manual \(User Manual, 2 MB\)](#)