

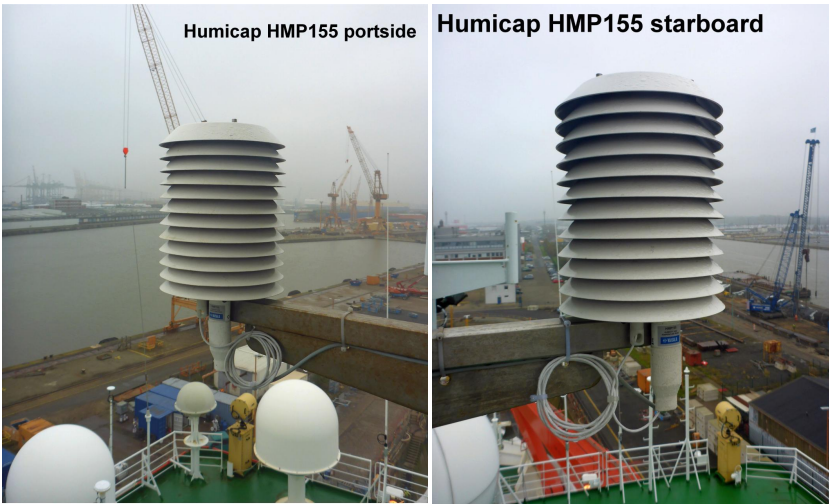
Temperature and Humidity Sensor [Weather Station]

**Attention:**
The Temperature and Humidity Sensor is part of the [Weather Station](#).

Summary

Two temperature and humidity probes HMP155 are installed onboard. They actually measure temperature and dewpoint which allows calculation of the relative humidity. For data analysis only the windward sensor is used.

Manufacturer	Vaisala
Model	HMP155
Serial No.	n/a
Type	meteorological package
REGISTRY-Link	REGISTRY (1523)



Contacts

Name	Institution	Role
Bernd Loose	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Engineer In Charge
Holger SchmithÅ½sen	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Principal Investigator, Data Scientist

Position

Info	The two sensors are installed on the main mast of the ship.
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
air temperature	air temperature	°C
relative humidity	relative humidity	%
dew point	temperature	°C

Documentation

- [HMP155 datasheet \(Factsheet, 355 kB\)](#)
- [HMP155 User Guide \(User Manual, 2 MB\)](#)