


Cloud Height Detector (Ceiling) [Weather Station]

**Attention:**
The Cloud Height Detector is part of the [Weather Station](#).

Summary

Based on the principle of LIDAR-measurements the ceilograph can detect cloud lower limits up to 15000m.

Manufacturer	Vaisala
Model	CL51
Serial No.	F4060001
Type	meteorological package
REGISTRY-Link	REGISTRY (1409)



Contacts

Name	Institution	Role
Bernd Loose	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Engineer In Charge
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Position

Info	xyz-position from Alignment Survey Report RV Polarstern (June 2016), located on top deck
X	61.871 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	8.916 m (Y-0 at centerline, positive Y-axis is portside)
Z	29.206 m (Z-0 is set to the lowest point of the keel, positive Z-axis is upwards)

Parameters

Parameter	O2ARegistry Output Type	Unit
ceiling	distance	ft

Documentation

- [Ceilometer CL51 datasheet \(Factsheet, 159 kB\)](#)