

Downward Long Wave Radiation Sensor (Pyrgeometer)



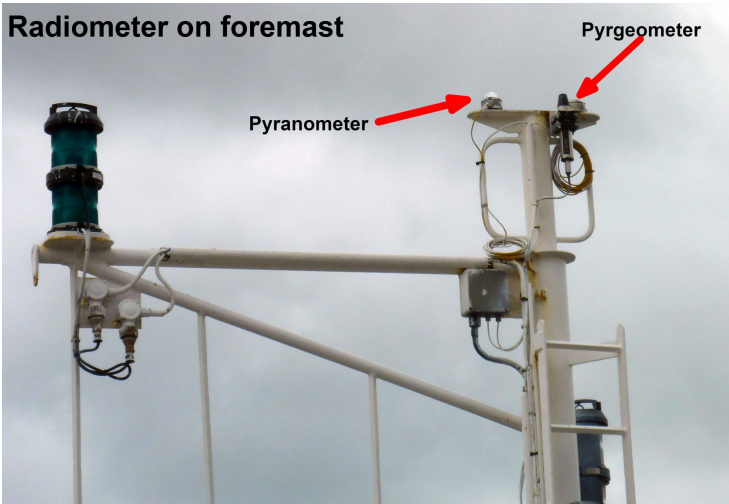
Attention:

The Pyrgeometer is part of the [Special Meteorological Instrumentation](#).

Summary

A pyrgeometer is a device that measures near-surface infra-red radiation spectrum in the wavelength spectrum approximately from 4.5 μm to 100 μm .

Manufacturer	Kipp and Zonen
Model	CGR4
Serial No.	080007
Type	meteorological package
REGISTRY-Link	REGISTRY (8568)



Contacts

Name	Institution	Role
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Position

Info	xyz-position of pyrgeometer from Alignment Survey Report RV Heincke (January 2016), located on foremast of RV Heincke
X	50.142 m (Positive X axis is forward and along the centerline of the vessel with X0 at the Stern point of the vessel.)
Y	-0.136 m (Positive Y axis is portside of centerline with Y0 at centerline at the Very stern point of the vessel.)
Z	19.528 m (Positive Z axis is upwards of basis. Z0 is set to the hydrophone on midship.)

Parameters

Parameter	O2ARegistry Output Type	Unit
longwave radiation	diffuse radiation	W/m2

Documentation

- [Pyrgeometer CGR4 datasheet \(User Manual, 3 MB\)](#)
- [Pyrgeometer CGR4 manual \(User Manual, 6 MB\)](#)
- [2021_Calibration Certificate CGR4_080007 \(Calibration Certificate, 702 kB\)](#)