

Global Radiation Sensor (Pyranometer)



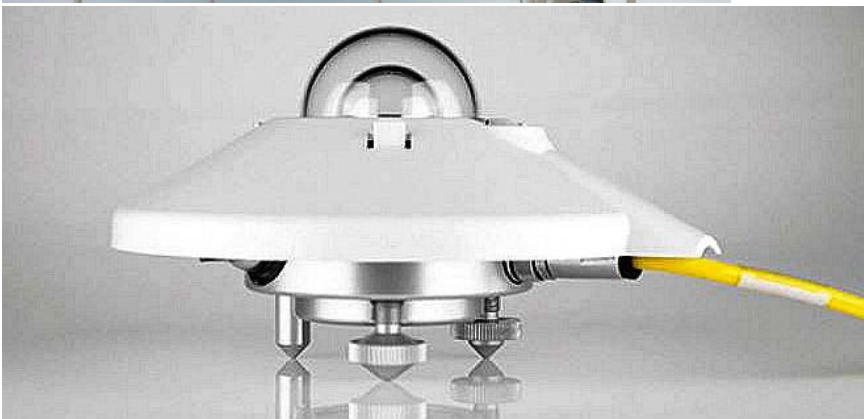
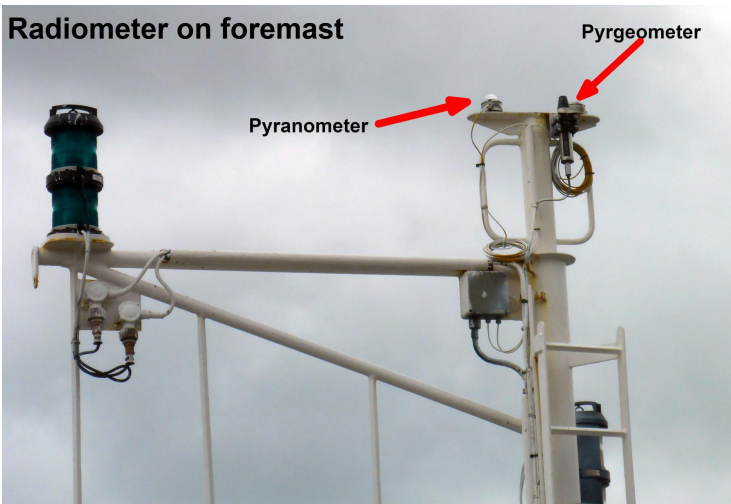
Attention:

The Global Radiation Sensor (Pyranometer) is part of the [Special Meteorological Instrumentation](#).

Summary

A pyranometer is used for measuring solar irradiance on a planar surface and it is designed to measure the solar radiation flux density (W/m2) from the hemisphere above within a wavelength range 0.3 m to 3 m

Manufacturer	Kipp and Zonen
Model	CMP11
Serial No.	080012
Type	meteorological package
REGISTRY-Link	REGISTRY (8567)



Pyranometer CMP11

Contacts

Name	Institution	Role
Ralf Krockner	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Device Contact

Position

Info	xyz-position of pyranometer from Alignment Survey Report RV Heincke (January 2016), located on foremast of RV Heincke
X	50.39 m (Positive X axis is forward and along the centerline of the vessel with X0 at the Stern point of the vessel.)
Y	0.116 m (Positive Y axis is portside of centerline with Y0 at centerline at the Very stern point of the vessel.)
Z	19.529 m (Positive Z axis is upwards of basis. Z0 is set to the hydrophone on midship.)

Parameters

Parameter	O2ARegistry Output Type	Unit
global radiation	global radiation	W/m2

Documentation

- [Pyranometer CMPseries datasheet \(User Manual, 4 MB\)](#)
- [Pyranometer CMPseries manual \(User Manual, 1 MB\)](#)
- [2021_Calibration Certificate CMP-0800 \(Calibration Certificate, 1 MB\)](#)