Product Name : Pyranometre Class A

Product Type : SN-PR-A

Overview

The pyranometer allows the measurement of global irradiance. It measures global irradiance (W/m²) over a surface area (m²) in the UVB spectral region (280 nm…315 nm). Specifically, the spectral sensitivity is focused at 305 nm with a bandwidth (FWHM) of 5 nm. Global irradiance is the sum of direct solar irradiance and diffuse irradiance incident on a flat surface.



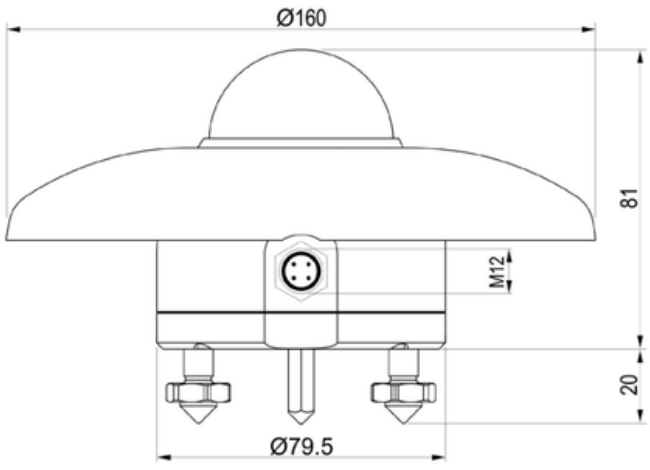
Application Areas

- Solar Power Plants
- Meteorological Applications
- Agricultural
- Greenhouse
- Industrial Applications
- Maritime and Ports
- Forest Regions
- Highway Applications

Electrical Specifications	
Measurement Principle	: Thermopile
Measuring Range	: -200…4000 W/m2
Resolution	: 0.1 W/m2
Typical Sensitivity	: 6…15 µV/Wm-2
Viewing Angle	: 2π sr
Operating Conditions	: -40…+80 °C
Spectral Range	: 283…2800 nm
Connection Output	RS485/ Analog/ 0-10 V/ 0-5 V
Supply Voltage	: 7…30 Vdc for RS485 output : 10…30 Vdc analog output : 15…30 Vdc 0…10 V output
Current Consumption	: Modbus output models: 15 mA @ 24 Vdc 21 mA @ 12 : Vdc Modbus + analog output models: 37 mA @ 24 Vdc & Iout=22 mA 43 mA @ 12 Vdc & Iout=22 mA

Cable and Connection Specifications	
Bubble level accuracy	: < 0.2°
Protection degree	: IP 67
Connection	: 5-pole M12 /8-pole M12
Mechanical Specifications	
Dimensions	: Ø160 x Ø79.5 x 101 mm
Housing	: Aluminum
Screen	: ASA
Dome	: Optical Glass

Technical Specifications



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