JNC Solar Radiation Sensor

SR2000

[Features]

- Measures total solar radiation over 0.3-1.1μm.
- Faces down for reflected radiation; ring for diffuse.
- Precision cold-ground quartz dome shields the element.
- Range 0~1500W/m², resolution 1W/m², accuracy ±5%.
- RS-485 standard Modbus RTU, no data conversion.
- 4-20mA analog output available for meters or controllers.
- Compact, easy to install, stable for outdoor use.



[Applications] Microclimate, farming, forestry, solar energy

[Optional Code]

SR2000-Code 1-Code 2

Code 1	Communication	Code 2	Connector
485	RS-485	N	Bare wire
420	4-20mA	C	Quick connector

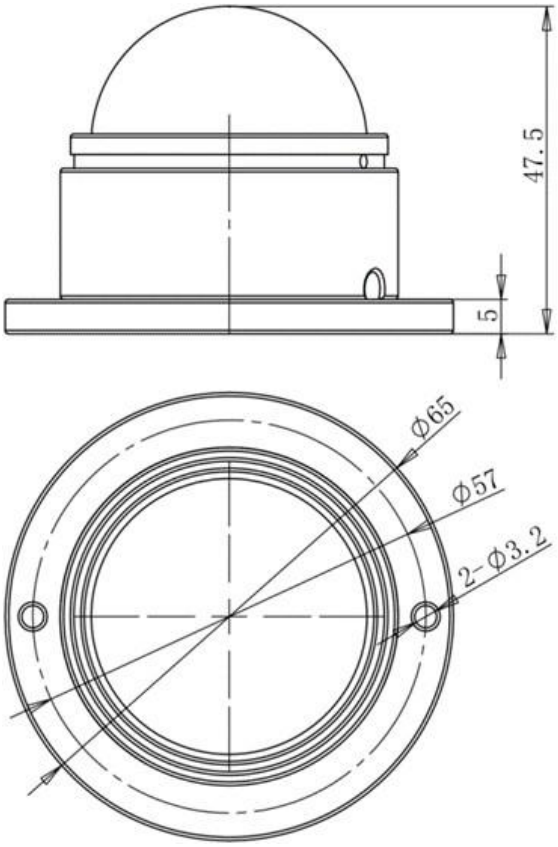
[Specifications]

Power Supply	DC 12-24 V
Spectral Range	0.3-1.1μm
Measuring Range	0~1500 W/m²
Resolution	1 W/m²
Accuracy	±5%
Output	RS-485 (Modbus RTU) or 4-20mA
Load Capacity	Current type RL≦250Ω Voltage type RL≧1KΩ
Response Time	<5s
Cosine Response	<±10% (solar elevation 10°)
Environment	-40℃~60℃, ≦100%RH
Consumption	0.48W
Cable Length	3 m
Weight	420g

[Wiring]

Red	V+
Black	V-
White	D+
Green	D-

[Dimensions] Unit:mm



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