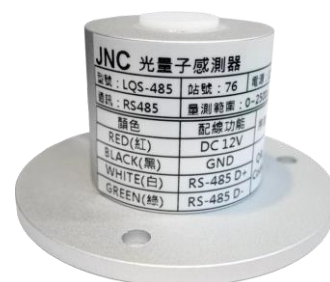


[Features]

- Can measure photosynthetically active radiation in the spectral range of 400nm~700nm.
- Photosynthetically active radiation is the energy source for plant life activities, organic matter synthesis and yield formation.
- The sensor uses an aluminum alloy shell, which has a solid structure, good sealing, long service life, high-precision light sensitivity, and good stability.
- Long transmission distance and strong anti-interference ability.
- Suitable for high humidity and harsh environment (IP68).



[Applications]

Widely used in microclimate, facility agriculture, forestry, aquaculture, solar energy, environmental monitoring, etc., requires photosynthetically active radiation measurement sites.

[Optional Code]

LQS-485 — Code 1

Code 1	Wire length / connector
N	3 meters bare wire
C	3 meters + quick connector
Value	Wire length (bare wire)
Value C	Wire length+ quick connector

[Specifications]

Supply voltage	DC12V	
Spectral range	400nm~700nm	
Measuring range	0~2,500 $\mu\text{mol}/\text{m}^2 \cdot \text{s}$	
Output	RS485	
Accuracy	$\pm 5\% \text{rdg} + 10 \text{dgt}$ s	
Linearity	$\pm 2\%$	
Reaction time	<5s	
Cosine response	$\leq \pm 10\%$	
Working environment	Temp.: -40°C~80°C	Humidity: 0~100%RH
Power consumption	$\leq 25 \text{mW} @ 5\text{V}$	
Line length	3 meters	
Waterproof level	IP68	

[Wiring instructions]

Red line	DC12V
White line	485+/D+
Green line	485-/D-
Black line	GND

[Dimensions] mm

