DATA SHEET

LINK4 QUANTUM PAR LIGHT SENSOR

SKU: 990-8200-00

Amplified PAR sensor with 0–10 V output and rugged design for precise light measurement.

Accurately measure photosynthetically active radiation with this new Link4 Quantum PAR light sensor. Featuring a 0–10 V amplified output, strong waterproof design, and fast response time, it ensures reliable PAR data in greenhouse, field, or lab settings. Ideal for precision agriculture, research, and lighting control systems.

SPECIFICATIONS	DETAILS
Power supply range	7 - 30 VDC
Output method	4-20mA, 0-5V/0-10V, RS485 (standard Modbus-RTU protocol)
Power consumption	0.06W (RS485), 0.7W (analog type)
Operating temperature	-25℃ – 60℃
Response spectrum	400nm – 700nm
Measuring range	0 – 2500μmol/㎡·s
Resolution	1μmol/㎡·s
Accuracy	±2% (1000umol/㎡·s, 60%RH, 25℃)
Reaction time	0.1s
Linearity	≤±1%

Performance

- High-accuracy PPFD light measurement (400-700nm)
- Reliable under sun, LED, and mixed lighting
- Weather-resistant for indoor and outdoor use
- Stable, maintenance-free long-term operation

Connectivity

- Easily integrates with Pearl controller and other third-party controllers
- Standard PAR output for real-time light control
- Fully compatible with Link4 Cloud monitoring

What's Included

- Quantum PAR light sensor with rugged, anodized aluminum housing (IP67)
- 60cm cable
- Level and adjustment handwheel