



# Agricultural IoT Product Provider



**Make agricultural production smarter and more efficient  
Help farmers increase production and income**



Temperature / Humidity



Water



The soil



Environment



Sensing



## Company introduction

Changsha Zoko Link Technology Co., Ltd. (Brand: NiuBoL) : production and sales of soil nitrogen, phosphorus and potassium sensors, soil PH sensors, soil moisture sensors, soil temperature and humidity sensors, soil Electrical conductivity sensors, automatic weather stations, wind speed sensors, wind direction sensors, ultrasonic integrated sensors, louvered box temperature, humidity and pressure sensors, rain sensors and other sensors, and widely used in poultry breeding , greenhouse automation, irrigated agriculture, forest monitoring, digital agriculture and other application scenarios.

With reliable quality, complete range and reasonable price, our products are exported to many countries such as USA, Argentina, Egypt, India, Thailand, Singapore, Malaysia and Australia. And we will always keep the momentum of development, continue to deeply expand the market, and cooperate with everyone for a win-win situation.

Whether it is treating products or customers, we have always been adhering to the business management philosophy of "seeking truth and being pragmatic, and striving for excellence". When dealing with products, every employee of Zhongke Zhilian is meticulous, and firmly grasps the quality of each product. When treating customers, we will provide the most professional advice and provide customers with the most professional and most suitable products. For after-sales, we value every customer's feedback and deal with customer needs immediately. A perfect after-sale can best reflect the true value of a product.

### Core competence



#### Focus on agriculture

Deep technical precipitation  
User-centric  
Boutique to open up the market



#### Fully self-produced

Professional R&D team  
Standardize the production base  
Standard Quality Control



#### One-stop customized service

Better understanding of needs tailor-made  
System integration extension development  
Customized special service



#### Sound service system

Professional marketing team  
Efficient technical support  
Reliable after-sales service



# Weather Station Series



NBL-W-SRS/The core device of the meteorological solar photovoltaic radiation sensor is a high-precision photosensitive element, which has good stability and high precision; at the same time, a quartz glass cover made of precision optical cold processing is installed outside the sensing element, which effectively prevents environmental factors from affecting its performance. Impact

Widely used in meteorology, energy, agriculture, construction and other fields



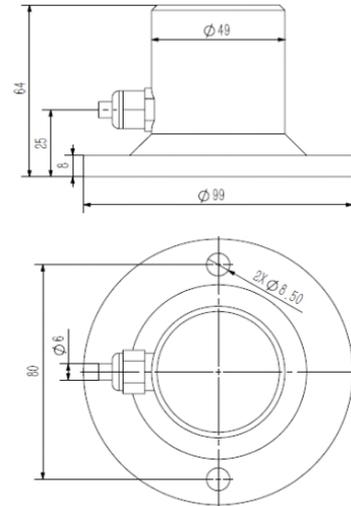
### Performance characteristics

- | Stable performance
- | Anti-static and lightning protection measures
- | High precision, down-tilt structure
- | Low power consumption and IP65 protection design

### Technical parameter

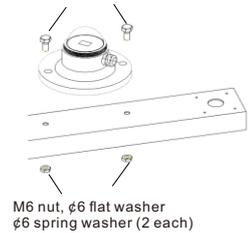
Measuring range	0 ~ 1500W/m <sup>2</sup>
Working environment	Temperature -20℃~65℃ , humidity≤100%RH
Power supply	<input type="checkbox"/> DC5V <input type="checkbox"/> DC12V-24V
Output format	<input type="checkbox"/> 4~20mA <input type="checkbox"/> 0~2.5V <input type="checkbox"/> 0~5V <input type="checkbox"/> RS485
Product power consumption	1.8mW
Spectral range	0.3 ~ 3μm
Response time	<5s
Temperature dependent	< ±0.08%℃
Temperature characteristic	2%(-10℃ - +40℃)
Cosine Response	<±10% (when the sun altitude angle is 10°)
Nonlinear	<±2%
Annual rate of change	<±2%
Product weight	Sensor 420g with transmitter 760g
Line length	2.5m

### Product Size



### Installation method

M6\*20 Hexagon Screws (2pcs)



1. Make sure the mounting bracket is parallel to the ground;
2. As shown in the figure, use M6 screws and nuts to fix the sensor on the mounting bracket through the 2 mounting holes on the sensor;
3. Please avoid disassembling the sensor during the installation process

M6 nut, φ6 flat washer  
φ6 spring washer (2 each)

### Specifications and models

Model	Power supply	output method	Description
NBL-W-SRS			Total radiation sensor
	12V-24V		12-24V power supply
		V	0-5V
		V2	0-2.5V
		A1	4-20mA
		W2	Rs485
Example: 12V-24V-A1: total radiation sensor 12V-24V power supply, 4-20mA current signal output			

### Application field



Climate sounding



Agriculture



Meteorological sounding



Building



Energy

## Product application scenarios



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**NiuBoL**

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