



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-HPRS/The high-precision radiation sensor adopts the principle of thermoelectric induction and is used in conjunction with various radiation recorders or radiation ammeters to accurately measure the sun's TBQ total radiation, reflected radiation, scattered radiation, infrared radiation, visible light, ultraviolet radiation, long-wave radiation, etc.

It can be widely used in solar energy utilization, meteorology, agriculture, aging of building materials and air pollution to measure solar radiation energy.



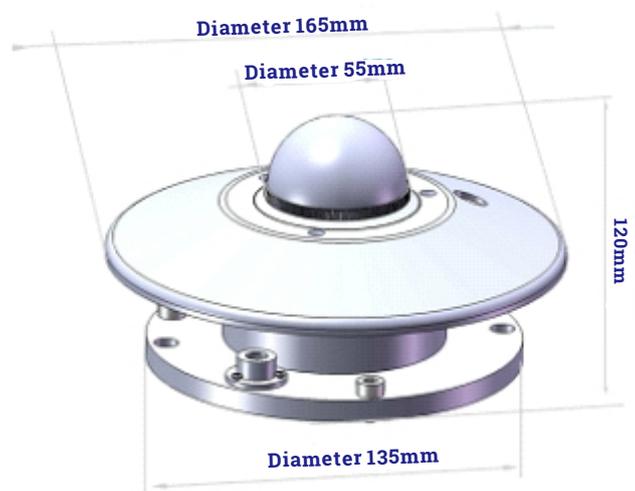
Performance characteristics

- | Stable performance
- | Anti-static and lightning protection measures
- | Unique structure design
- | Low power consumption and IP65 protection design

Technical parameter

Sensitivity	7 ~ 14 μ V / w.m-2
Response time	≤35 seconds (99%)
Internal resistance	About 350 Ω
Weight	2.5kg
Spectral range	0.3 ~ 3 μ m
Yearly Stability	±2%
Cosine Response	≤ ±7% (when the sun altitude angle is 10°)
Azimuth response error	≤5% (when the sun altitude angle is 10°)
Temperature characteristic	2%(-10°C ~ +40°C)
Working ambient temperature	-40°C ~ +50°C
Test Range	0 ~ 2000W/m2
Signal output	0 ~ 20mV
Non-linear	±2%
Power supply	<input type="checkbox"/> DC5V <input type="checkbox"/> DC12V <input type="checkbox"/> 24V
Output format	<input type="checkbox"/> 4~20mA <input type="checkbox"/> 0~2.5V <input type="checkbox"/> 0~5V <input type="checkbox"/> 0~20mV <input type="checkbox"/> RS485

Product Size



Installation method



The sensor should be installed in an open area without any obstacles above the sensing surface

Instructions for use

It is installed in a place where the surrounding area is open and there are no obstacles above the sensing surface. Then, align the pyranometer cable plug to the north, adjust the horizontal position, fix it firmly, and then connect the high-precision pyranometer output cable with the acquisition device to observe. It is best to attach the cables securely to the mount to reduce breaks or intermittent interruptions on windy days

Application field



Climate sounding



Agriculture



Meteorological sounding



Atmosphere



Solar energy utilization

Product application scenarios



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