



# 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-51MUWS/The 5-in-1 miniature ultrasonic weather station is a fully digital detection, high-precision sensor, which is integrated by ultrasonic principle wind speed and direction sensor, high-precision digital temperature, humidity, and air pressure sensor, which can accurately and quickly detect wind speed, wind direction, atmospheric temperature, Atmospheric humidity and atmospheric pressure, built-in signal processing unit can output corresponding signals according to user needs, high-strength structural design can work reliably in harsh weather environments

Can be widely used in meteorology, ocean, environment, airports, ports, laboratories, industry and agriculture and transportation and other fields.



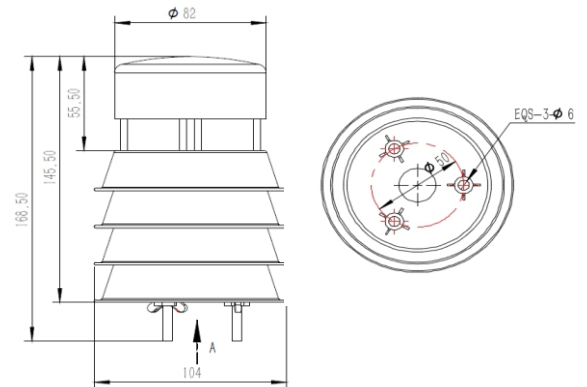
### Performance characteristics

- | Stable performance
- | Anti-static protection
- | Lightning protection measures
- | Low power consumption and IP65 protection design

### Technical parameter

Supply voltage	DC12V	
Signal output	Rs485	
Communication protocol	DC5V-24V	
Signal output	Standard MODBUS protocol	
Baud rate: 9600 Average power consumption: 0.3W		
Operating temperature	-40-80°C	
Working humidity	0-95%RH	
Standard cable length: 2.5m, material: ABS, protection grade: IP65		
Wind speed	Measuring range	0-40m/s
	Measurement accuracy	±0.5+2%FS
	Resolution	0.01m/s
Wind direction	Measuring range	0-360°
	Measurement accuracy	±3°
	Resolution	1°
Temperature	Measuring range	-50-100°C
	Measurement accuracy	±0.5°C
	Resolution	0.1°C
Humidity	Measuring range	0-100%RH
	Measurement accuracy	±5%RH
	Resolution	0.1%RH

### Product Size



### Installation method



Installation method: 32 hoop and 76 hoop optional (according to the site bracket to choose)

Z-shaped bracket

### Instructions for use

The sensor can be installed in any required direction, the meteorological instrument measures the wind speed and direction on different wind surfaces, and the detector should point the pointing point to the north before fixed installation.

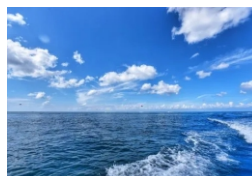
### Application field



Meteorological



Agriculture



Ocean



Environment



Harbor



## Product application scenarios



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**NiuBoL**

Changsha Zoko Link Technology Co., Ltd

Tel: +8615367865107

WhatsApp/WeChat: +8615367865107

Email: [sales@zoko-link.com](mailto:sales@zoko-link.com)

Website: [www.zoko-link.com](http://www.zoko-link.com)

Address: Room 102, Zone D, Houhu Industrial Park, Yuelu  
District, Changsha City, Hunan Province, China