

## Physics Experiment Polarimeter

Shanghai Jiahang WZZ-2B Physics Experiment Polarimeter has built-in Peltier precise temperature control system, which can meet users' requirements for testing at constant temperature. The built-in automatic calibration program is optional, and the standard automatic calibration tool can be automatically calibrated from -45 degrees to +45 degrees, which fully meets the user's demand for controllable measurement accuracy in daily operation. The multi-level authority management of Shanghai Jiahang automatic polarimeter can meet the audit tracking.

### 1. Physics Experiment Polarimeter Introduction

Physics Experiment Polarimeter adopts photoelectric detection and automatic servo mechanism control, backlit LCD display, clear and intuitive test data, can save three retest results, and calculate the average value, equipped with RS232 interface, can transmit data to PC.

### 2. Physics Experiment Polarimeter Parameter

Model: WZZ-2B

Product name: Physics Experiment Polarimeter

Measuring range: -45° ~ +45°

Minimum reading value: 0.002°

Accuracy  $\pm(0.01^\circ + \text{measurement value} \times 0.05\%)$

Repeatability (maximum deviation)  $\leq 0.01$  degree

The lowest transmittance of the measurable sample is 10%

### 3. Physics Experiment Polarimeter Feature

- 1: Built-in Peltier temperature control, improve accuracy and stability;
- 2: there are rotation/specific curl/concentration/sugar degree and custom mode;
- 3: LED cold light source instead of the traditional sodium light lamp and halogen tungsten lamp;
- 4: Compliance with 21CFR Part 1 audit trail, pharmacopoeia and electronic signature;

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- 5: Support network printing, support data statistical retrieval;
  - 6: Multi-level authority management, authority can be freely configured;
  - 7: 10 inch touch color screen, user-friendly operation interface;
  - 8: The system comes with automatic calibration system.
  - 9: Comply with GLP GMP certification

#### **4. Fields of use**

- 1. Automatic polarimeter is widely used in medicine, food, organic chemical industry and other fields.
- 2. Agriculture: analysis of ingredients such as agricultural antibiotics, agricultural hormones, microbial pesticides and starch content of agricultural products.
- 3. Medicine: analysis of antibiotics, vitamins, glucose and other drugs, pharmacological study of Chinese herbal medicine.
- 4. Food: sugar, monosodium glutamate, soy sauce and other production process control and finished product inspection, food sugar content determination.
- 5. Petroleum: analysis of mineral oil, monitoring of petroleum fermentation process.
- 6. Fragrance: analysis of essential oils.
- 7. Health services: analysis of clinical diabetes in hospitals

#### **5. Product Details**

Polarimeter is an instrument for measuring the optical rotation of a substance. By measuring the optical rotation of the sample, the concentration, purity, sugar content or content of the sample can be determined. It is widely used in industrial production, scientific research and teaching departments such as sugar, pharmacy, drug testing, food, spices, monosodium glutamate, chemical industry, petroleum, etc., for laboratory analysis or process quality control.

#### **6. Product Qualification:**

Jiahang Physics Experiment Polarimeter has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality.

#### **7. Deliver, Shipping And Serving:**

We have a top R&D team returned from Europe and America, cooperate with our superb manufacturing team, professional sales team and dedicated service team, working together to provide customers with high-tech, high-quality products and efficient, convenient, Comprehensive pre-sales and after-sales professional services.

## 8. FAQ

### **How many years have your company made Physics Experiment Polarimeter ?**

22 years of scientific instrument manufacturer, laboratory solution provider!

### **Which certificate do you have for your products?**

Jiahang has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality.

### **Will you will attend the fair to show your products?**

Yes. Every year we will participate in some internationally renowned exhibitions to launch our new products, such as Arablab、PICCTON、Analytica Russia、Lab Africa、Analytica Germany、Analytica Latin America and so on,we are looking forward to your visit.

### **How about your company's R&D strength**

Possess strong R&D technical capabilities (a R&D team of more than 20 people, with an average degree of doctorate degree, graduated from well-known universities at home and abroad, with an average work experience of 8 years), able to deal with and solve product-related technical problems

### **If OEM is acceptable?**

Provide OEM customization service, product built-in software has autonomy, can customize development settings

### **Are you a trading company or a manufacturer?**

100% manufacturer, no middlemen and distributors make the price difference, the price of the source factory is very advantageous; Jiahang is headquartered in Shanghai, China, has 15 service outlets and 2 production plants in China, and has sales in more than 10 countries overseas proxy.

### **How about your delivery time?**

"Generally, it will take 7 to 15 working days after receiving your advance payment. Depend on the quantity."

### **Which payment can be acceptable ?**

We could accept the payment by L/C, TF, Paypal , Western Union,etc.

### **Service**

We could provide Online instruction ; Real-time support by video-ca or voice-chat.

Any customer who cooperates for the first time promises to provide a production cost price trial opportunity to solve your worries about product quality problems.

Provide official product quality assurance documents that comply with legal benefits to escort you with worry-free after-sales service.