

## Auto Refractometer

Digipol-R Auto Refractometer is equipped with a high performance linear CCD sensor. Through high-speed and high precision signal acquisition, analysis and processing technology, the Digipol-R is equipped with a semiconductor Peltier super temperature control system. It can measure the refractive index (Nd) and the mass fraction of sugar solution (Brix) of transparent, translucent, dark and viscous liquid with high accuracy and efficiency.

### 1. Product Introduction

Innovation:

- 1: Built-in Peltier temperature control to improve accuracy and stability;
- 2: LED cold light source replaces traditional sodium lamp and halogen tungsten lamp;
- 3: 7-inch touch color screen, humanized operation interface;
- 4: Auto Refractometer has passed TART and CE certification.

### 2. Auto Refractometer Parameter

Model	DigiPol-R300
Range	1.3000-1.7000(nD)
Resolution	0.0001 (nD)
Precision	±0.0002
Brix range	0-100%(Brix)
Brix accuracy	±0.1%(Brix)
Test mode	Refractive index / sugar content or customized
Temperature control method	Built-in Peltier
Temperature control range	5°C-65°C
Temperature control stability	±0.03°C
light source	LED
wavelength	589nm
Prism	sapphire
Sample cell	stainless steel
Detection method	High-resolution linear CCD
Display method	7 inch FTF color touch screen
data storage	32G
Output method	USB, RS232, RJ45, SD card, U disk
User Management	Yes/four-level authority management
Audit trail	YES
Electronic signature	YES
Custom method library	YES
Export file to verify high-level protection MD5	YES
WIFI printing	YES
Export in multiple file formats	PDF & Excel
Size	360*300*155mm
Power supply	220V / 50Hz
Weight	5kg

### 3. Product Feature And Application

- 1: Built-in Peltier temperature control, improve accuracy and stability;

- 2: China's first double temperature control, sapphire prism;
- 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;
- 5: Support network printing, support data statistical retrieval;
- 6: Multi-level authority management, authority can be freely configured;
- 7 "touch color screen, user-friendly operation interface;
- 8: Auto Refractometer has passed TART and CE certification.

#### 4. Fields of use

The Auto Refractometer has a wide range of applications in the petroleum industry, oil industry, pharmaceutical industry, food industry, daily chemical industry, sugar industry, etc. It is also one of the commonly used equipment in schools and related scientific research units.

#### 5. Product Details

DigiPol-R series Auto Refractometer are equipped with high-performance linear CCD photosensitive components, through high-speed, high-precision signal acquisition and analysis processing technology, equipped with semiconductor Peltier super temperature control system. It can efficiently and accurately measure the refractive index (nD) of various liquids such as transparent, translucent, dark, viscous, and the mass fraction of sugar solution (Brix)

#### 6. Product Qualification

Jiahang Auto Refractometer 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 Auto Refractometer?**

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.