

Automatic Digital Display Refractometer

DigiPol-R series Automatic Digital Display 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).

1. Product Introduction

Innovation:

- 1: Built-in Peltier temperature control to improve accuracy and stability;
- 2: The first domestic dual temperature control, sapphire prism;
- 3: LED cold light source replaces traditional sodium lamp and halogen tungsten lamp;
- 4: Comply with 21CFR Part11 audit trail, pharmacopoeia and electronic signature;
- 5: Support network printing and data statistical retrieval;
- 6: Multi-level authority management, authority can be freely configured;
- 7: 7-inch touch color screen, humanized operation interface;
- 8: Automatic Digital Display Refractometer has passed TART and CE certification.

2. Automatic Digital Display Refractometer Parameter

Model	DigiPol-R600
Range	1.30000-1.70000(nD)
Resolution	0.00001(nD)
Precision	±0.00002
Brix range	0-100%(Brix)
Brix accuracy	±0.01%(Brix)
Test mode	Refractive index / sugar content / honey moisture / salinity or customized
Temperature control method	Built-in Peltier
Temperature control range	5°C-90°C
Temperature control stability	±0.01°C
light source	LED
wavelength	589nm
Prism	sapphire
Sample cell	Hastelloy
Detection method	High-resolution linear CCD
Display method	7 inch FTF color touch screen
data storage	64G
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 Parpaste 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: Automatic Digital Display Refractometers has passed TART and CE certification.

4. Fields of use

Automatic refractometer is widely used in 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.

Food industry: quality control of raw materials, intermediates and final products; The concentration of dry matter, solids, and sugars; Purity control for products of sugar, dessert, beverage, dairy, chocolate and coffee, oil and fat industries.

Pharmaceutical industry: determination of solid content in blood and urine; Purity control.

Cosmetics industry: determination of refractive index of essential oils and spices; Determine the fatty acid content of soap and fragrance ingredients.

Chemical and petrochemical industries: determination of refractive index of raw materials and analytical reagents; Purity control; Determination of refractive index of petroleum products; Determine the concentration of the cooled lubricating oil.

5. Product Details

Automatic Digital Display Refractometers 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 Parte 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.

6. Product Qualification

Jiahang Automatic Digital Display 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 Automatic Digital Display 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 Aralab, 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?



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"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.