JIAHANG 佳航仪器

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Automatic Digital Polarimeter

Digipol-P630L Automatic Digital Polarimeter is an instrument for measuring the optical rotation of substances. Through the determination of optical rotation, the specific rotation, international sugar content, concentration and purity of substances can be analyzed and determined. Boasts accurate and reliable measurement, convenient operation and so on.

1. Automatic Digital Polarimeter Introduction

Innovation:

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

2: There are optical rotation/specific rotation/concentration/sugar degree and custom mode;

3: LED cold light source replaces traditional sodium lamp and halogen tungsten lamp;

4: The cabinet supports 200MM temperature control tube, 100MM temperature control tube;

5: Multi-level authority management, authority can be configured freely;

6: 8-inch touch color screen, humanized operation interface;

7: Comply with 21CFR requirements (electronic signature, data traceability, audit trail, data anti-tampering and other functions);

8: Fully comply with GLP GMP certification specifications.

2. Automatic Digital Polarimeter Parameter

Model: Digipol-P630L

Product name: Automatic Digital Polarimeter

Measurement mode: optical rotation, specific rotation, concentration, sugar content and custom formula

Light source: LED cold light source + high-precision interference filter

Working wavelength: 589.3nm

Test function: single, multiple, continuous measurement mode

Measuring range: Optical rotation ±90° Brix ±259°Z

Minimum reading: 0.001° (0.0001° optional)

Accuracy: ±0.002°

Repeatability: (standard deviation s) 0.002° (optical rotation)

Temperature control range: 10℃-60℃ (Peltier)

Temperature resolution: 0.01℃

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Temperature control accuracy: ±0.03℃

Display mode: 8-inch TFT true color touch screen

Standard test tube: 200mm, 100mm common type, 200mm temperature control type (Hastelloy temperature control tubes of various lengths are optional)

Light transmittance: 0.01%

Data storage: 64G

Automatic calibration: Yes (a standard tube comes standard)

Audit trail: Yes

Electronic signature: Yes

Multi-function search: Yes

Printing: Universal printer WIFI printing (a printer is standard)

Method library: Yes

Cloud service: Yes

MD5 code verification: Yes

Custom formula: Yes

User management: Yes/four-level authority management

User disables unlocking function: Yes

Multiple file formats export: PDF and Excel

Communication interface: USB connection, RS232 connection, VGA, Ethernet

Instrument level: 0.01 level

Other optional accessories: each capacity 50mm and 200mm long temperature control tube, mouse, keyboard connection, universal printer/wireless network printer

Power source: 220V±22V, 50Hz±1Hz, 250W

Net weight of the instrument: 28kg

3. Automatic Digital Polarimeter Feature

1: Built-in Parpaste 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;

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 Digital 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

Shanghai Jiahang Automatic Digital 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 polarometer can meet the audit tracking.

6. Product Qualification:

Jiahang Automatic Digital 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 Automatic Digital 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.