

## Auto Polarimeter

Digipol-P630 Auto 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. It is widely used in medicine, petroleum, food, chemical, flavor, fragrance, sugar and other industries and related universities and research institutes.

### 1. Auto 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: Support network printing and data statistical retrieval;
- 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. Auto Polarimeter Parameter

Model: Digipol-P630

Product name: Auto Polarimeter

Model	Digipol-P630
Measurement mode	Rotation, specific curl, concentration, sugar content and custom formula
light source	LED cold light source + high precision interference filter
Working wavelength	589.3nm
Test function	Single, multiple and continuous measurement
Measuring range	Optical rotation $\pm 90^\circ$ Sugar $\pm 259^\circ$ for Z
Minimum reading	0.001°(0.0001°Optional)
Accuracy	$\pm 0.002^\circ$

Repeatability	(Standard deviation s) 0.002° (Optical rotation)
Temperature control range	10°C-60°C (Peltier )
Temperature resolution	0.01°C
Temperature control accuracy	±0.03°C
Display method	8-inch TFT true color touch screen
Standard test tube	200mm,100mm ordinary type,100mm temperature control type (optional Hastelloy alloy temperature control tube of various lengths)
Transmittance	0.01%
data storage	64G
Automatic calibration	YES(standard with a standard pipe)
Audit trail	YES
Electronic signature	YES
Multi-function search	YES
Print	General-purpose printer, WiFi printing (Standard with a printer)
Method library	YES
cloud service	YES
MD5 code verification	YES
Custom formula	YES
User Management	YES / Four-level authority management
Export in multiple file formats	PDF & Excel
Communication Interface	USB, RS232, VGA, Ethernet
Instrument level	0.01 level
Other options	Each capacity 50mm and 200mm long temperature control tube, mouse, keyboard connection, general purpose printer/wireless network printer
Power supply	220V ±22V, 50Hz ± 1 Hz, 250W
Weight	28kg

### 3. Auto 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.

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9: Comply with GLP GMP certification

#### 4. Fields of use

1. Auto 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 Auto 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.

#### 6. Product Qualification:

Jiahang Auto 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 Auto Polarimeter ?**

22 years of scientific instrument manufacturer, laboratory solution provider!

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



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**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.

**SHANGHAI JIAHANG INSTRUMENTS CO. ,LTD**

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