

High-precision Moisture Analyzer

High-precision Moisture Analyzer is a fully automatic volumetric Karl Fischer Moisture Analyzer with independent intellectual property rights designed and developed by the company. The instrument uses the volumetric titration method with Karl Fischer reagent as the standard solution as the analysis principle, combined with the latest mechanical and electronic design technology and humanized interface design, with good airtightness, low drift value and detection limit, wide measurement range, and high degree of automation, High precision, can be used to accurately analyze crystal water, adsorbed water, and free water in solid, liquid, and gas samples.

1. High-precision Moisture Analyzer Introduction

Product name: High-precision Moisture Analyzer

Measuring range of moisture content: 0.001%~100% (10ppm~100%)

Titration control accuracy: 0.2μl

Titration function: PID automatically controls the titration speed, drift is automatically updated and automatically deducted; the end point is automatically maintained;

Auxiliary functions: automatic cleaning function, equipment verification function, waste liquid bottle full warning function, automatic data calculation, result statistics function;

Delay setting: Delay titration and endpoint delay function can be set as needed to deal with insoluble samples;

Titration repeatability (RSD): ≥99.7% (2ml reagent)

Measuring time: 3 minutes on average;

Data processing: automatically calculate the analysis results, display the consumption of reagents, water quality, percentage content, ppm, etc.;

Data storage: 12 groups;

Measurement results: 20 groups;

Built-in printer

Valve and pipeline material: three-way two-way electromagnetic drive control valve, anti-corrosion material pipeline and sealing joint;

External electrode: double platinum electrode;

Operation interface: LCD display, navigation operation menu (Chinese version);

Use environment humidity: ≤80%

Power supply: 110~220V (AC), 50~60Hz

Size: 580×460×360mm

Weight: 9.6kg

2. High-precision Moisture Analyzer Parameter

Model	JH-V5
Measuring range of moisture content	0.001%-100 (10ppm-100%)
Titration control accuracy	0.2uL
Titration function	PID automatic control titration speed, drift automatic update automatic deduction; Automatic hold end
Accessibility	Automatic cleaning function, equipment verification function, waste liquid bottle full

	warning function, automatic data calculation, result statistics function
Delay setting	Delay titration and terminal delay can be set according to the need to deal with insoluble samples
Titration repeatability (RSD)	RSD≥99.7%; (2ml reagent)
measure time	3 minutes on average
data processing	Automatic calculation analysis results, showing consumption test dose, water quality, percentage content, PPM, etc
data storage	12 groups
The measurement results	20 groups
Built-in printer	YES
Valve and pipe material	Three - way two - way solenoid drive control valve, anti-corrosion material pipeline and sealing joint
External electrode	Double platinum electrode
Operation interface	LCD screen display, navigation operation menu
Use environment humidity	≤80%
power supply	110~220V (AC) / 50-60Hz
Size	580*460*360mm
Weight	9.6kg

3. High-precision Moisture Analyzer Feature And Application

Touch operation, graphical interface, LED full-color liquid crystal display, real-time display of titration curve, metering pump injection volume, detection time, consumption reagent volume, current water volume, drift volume and other detection parameters;

Adopt a fully enclosed titration cell, the system drift is extremely low, the solvent is automatically replaced and the waste liquid is discharged to avoid the escape of toxic reagents and the infiltration of environmental moisture;

It has patented high-precision piston and titration control technology to ensure the accuracy of the system's measurement results;

The pipe joint adopts special nuts and seals, and a variety of bottle caps are designed to adapt to a variety of reagent bottles. Various Karl Fischer reagents can be used, and the measurement results of different Karl Fischer reagents are indistinguishable;

Fully automatic measurement, simple, fast and accurate, can realize automatic liquid suction and discharge, automatic measurement of drift, automatic deduction of drift, automatic tracking of environmental drift, and automatic calculation of results (in terms of relative standard deviation);

PID automatically controls the titration speed, and the average sample test time is less than 2 minutes;

Support authority management, audit trail, comply with GLP/GMP regulations;

Multiple data interfaces (RS-232C, USB, WEB interface);

Auxiliary functions: titration delay function, automatic end point delay function, intelligent fault judgment function, waste liquid bottle overflow warning function;

A variety of measurement results unit options (ppm, %, ml, mgH₂O), optional dedicated micro data printer, heating stirrer, cassette heating furnace, cassette headspace sampler, semiconductor refrigeration device, micro titration cell.

4. Fields of use High-precision Moisture Analyzer

It can widely meet the moisture determination needs of many industries such as petroleum, chemical, pharmaceutical, daily chemical, food, agriculture, and laboratories.

5. Product Qualification

Jiahang High-precision Moisture Analyzer 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.

6. 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.

7. FAQ

Q:How many years have your company made High-precision Moisture Analyzer?

A:22 years of scientific instrument manufacturer, laboratory solution provider!

Q:Which certificate do you have for your products?

A: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.

Q:Will you will attend the fair to show your products?

A: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.

Q:How about your company's R&D strength

A: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

Q:If OEM is acceptable?

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

Q:Are you a trading company or a manufacturer?

A: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.

Q:How about your delivery time?

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

Q:Which payment can be acceptable ?

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

Q:Service



☎ 0086 17721148861
✉ bentian@jiahanglab.com
🌐 www.jiahanglab.com
📞 0086 021 59904405

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

A: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.

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