

Intelligent automatic microwave digestion instrument

Intelligent automatic microwave digestion instrument is a practical microwave chemical reaction equipment, Microwave digestion technology uses the penetration and activation capacity of microwave to heat the reagents and samples in the closed container.

1. Product Introduction

Intelligent automatic microwave digestion instrument can increase the pressure in the sample preparation container and the reaction temperature, thus greatly improving the reaction rate and shortening the time of sample preparation.

2. Intelligent automatic microwave digestion instrument Parameter

Model	DIGIPOL- MWD 50
Power supply	220-240 VAC 50/60Hz 15A
Microwave source	2450MHz, Dual magnetron high-energy microwave field emission
Whole machine installation power	3200W
Maximum microwave output power	2200W, Microwave non-pulse continuous automatic frequency conversion control
Display screen	Large 7-inch touch LCD display
Software system	ARM chip equipped with ZGI operating system
Microwave cavity	65L large volume 316L stainless steel cavity, internal and external multi-layer corrosion-resistant PFA Teflon coating
Temperature control system	Real-time detection, control and display of temperatures and curves in all reaction tanks
Safety explosion-proof door design	Eight-layer steel structure self-ejection explosion-proof buffer design (AUT-relief structure), electronic and mechanical double safety protection
Pressure control system	The pressure control system G-pressure monitors the pressure of all reaction tanks in real time, automatically adjusts overpressure/stops microwave emission and automatically alarms, range: 0-2000psig
Pressure measurement system	Piezoelectric pressure sensor, control pressure range: 0-20M Pa (2500 psi), display accuracy ± 0.1 M Pa
Temperature measurement system	High-precision optical fiber temperature sensor, temperature measurement range: -50-320°C, control accuracy ± 0.1 °C, display accuracy ± 1 °C
Video surveillance system	The internal camera can monitor the operation of the digestion tank in the furnace cavity in real time
Full tank temperature monitoring system	ZG infrared temperature full tank detection, temperature measurement range: 0-320°C, control accuracy ± 0.1 °C
Full tank pressure passive protection system	Adopt top safety relief device (security) design, overpressure quantitative and directional automatic pressure relief
External network interface (optional)	USB , RS-232
Sample reaction tank outer tank	Aerospace composite fiber material explosion-proof outer tank
Furnace exhaust system	High-power corrosion-resistant axial flow fan, turbulent high-efficiency air cooling, only 15 minutes from 200°C to 60°C
Working environment temperature/humidity	0-40 °C / 15-80% RH
The physical size of the whole machine	580*680*720mm , 65kg

Reaction tank name	14tank , high pressure tank
Reaction tank model	ZG14
Batch volume	14
Magnetic stirring	YES
Inner tank material	TFM
Explosion-proof outer tank material	G-Fiber
Dissolve the rotor frame structure	High-strength alloy turntable integrated frame
Reaction tank volume	100ml
Maximum design pressure	20M Pa
Maximum design temperature	310°C

3. Intelligent automatic microwave digestion instrument Feature And Application

1. Digipol-MWD60 intelligent microwave digestion instrument adopts the safe and sealed patent design to eliminate the element loss and leakage caused by exhaust, and ensure the accuracy and reliability of the analysis results of AA, ICP, ICP-MS and other elements;
2. Professional electromagnetic protection design, the only high-end microwave leakage protection standards;
3. Using ergonomic appearance design, with large color touch screen, free touch color graphical interface, high-end experience of real-time imaging technology, fully reflects the convenience and comfort of modern laboratory; Beyond intelligent microwave digestion instrument using the world's first technology, improve the microwave digestion instrument reaction parallelism;
4. The design standard of industrial microwave oven cavity is adopted, and the inner cavity is sprayed with multi-layer PFA(modified polytetrafluoroethylene) to prevent the long-term corrosion of strong acid.

4. Fields of use Product

Intelligent automatic microwave digestion instrument widely used in heavy metal detection, organic pollutants extraction, material synthesis and other fields.

5. Product Qualification

Jiahang Product 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

How many years have your company made Intelligent automatic microwave digestion instrument ?

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.



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