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## Melting Point Apparatus

The Digipol-M50D Melting Point Apparatus ( Customized large furnace body ) perfectly combines high-precision temperature control technology and high-definition video camera technology, not only to provide users with accurate, stable, and reliable test results, but also to provide users with efficient and convenient test experience. The high-definition video can easily and clearly see the whole process of sample melting, which is convenient for users to accurately measure the melting point and melting distance of the sample.

### 1. Melting Point Apparatus Introduction

Innovation points to improve efficiency:

- 1: Automated integration to realize one-key measurement function;
- 2: Meet a variety of test modes;
- 3: Process 4 samples at a time (3 small and 1 large hole);
- 4: Data can be printed directly through the printer;
- 5: Comply with 21CFR Part 11, audit trail, pharmacopoeia and electronic signature.

### 2. Melting Point Apparatus Parameter

Model: Digipol-M50D

Product Name: Melting Point Apparatus ( Customized large furnace body )

Temperature range: room temperature -400°C (silicone oil heated to 320°C)

Heating method: oil bath, water bath, metal bath heating method

Detection method: manual detection

Processing capacity: 4 pieces/batch (four samples can be made at the same time)

Temperature resolution: 0.01 °C

\*Rising rate: 0.1 °C--20 °C (200 steps steplessly adjustable)

\*Temperature control method: PID precise temperature control, fully enclosed design of furnace body

\*Map: any zoom, easy to view any details of the map

\*Accuracy:  $\pm 0.2^{\circ}\text{C}$  (<250°C)

$\pm 0.5^{\circ}\text{C}$  (>250°C)

Repeatability: Melting point repeatability at 0.1 °C/Min  $\pm 0.1^{\circ}\text{C}$

Magnification: 9 times

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Display mode: 10.4 inch FTF color touch color screen  
Data storage: 128G  
Map preservation: 600 groups  
\*Map: any zoom, easy to view any details of the map  
\*Experimental method lock: Yes  
\*User management: Have/four-level authority management  
Audit trail: Yes  
Electronic signature: Yes  
Custom method library: Yes  
\*Export file verification advanced protection MD5: Yes  
Printing method: WIFI printing, serial port printing  
Multiple file formats export: PDF and Excel  
Data interface: USB RS232 SD Wi-Fi, RJ45, U disk  
Large capillary tube: outer diameter: 4mm, inner diameter 3.8mm  
Small capillary tube: outer diameter  $\phi$ 1.4mm, inner diameter:  $\phi$ 1.0mm;  
Instrument size: 400\*280\*330mm  
Power source: 110-230V 50/60HZ 120W  
Weight: 4.1kg

### 3. Product Feature And Application

1. The Melting Point Apparatus has HD recording function, easy to observe and look back.
2. Large temperature range from room temperature to 420 °C.
3. The heating rate is adjustable from 0.1 °C/Min to 20 °C/Min without pole.
4. Enlarge HD color screen window.
5. Four samples can be determined simultaneously.
6. Printer can be connected to realize real-time data printing and historical data printing.
7. Comply with Pharmacopoeia test methods, including European Pharmacopoeia, United States Pharmacopoeia and Chinese Pharmacopoeia.
8. Compliance with 21CFR Part 1, audit trail, pharmacopoeia and electronic signature.

### 4. Fields of use

The Melting Point Apparatus has an important position in the chemical industry and medical research. It is an indispensable instrument for the production of food, medicine, spices, dyes and other organic crystal substances.

### 5. Product Details

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Shanghai jiahang Melting Point Apparatus series perfectly combine high-precision temperature control technology and high-definition video camera technology, not only to provide users with accurate, stable and reliable test results, but also to bring users efficient and convenient test experience.

High-definition video can easily and clearly see the whole process of sample melting, automatic detection real-time Tupu display, convenient for users to accurately measure the sample melting point and melt distance.

#### **6. Product Qualification:**

Jiahang Melting Point Apparatus 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 Melting Point Apparatus ?**

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?**



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

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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.