Melting Point Apparatus

Melting point instrument has an important position in chemical industry and pharmaceutical research, and is the production of food, drugs, spices, dyes and other organic crystal substances

Alpol-M80 automatic melting point instrument combined with high-precision temperature control technology and high-definition video camera technology, not only provides users with accurate, stable and reliable test results, but also brings users an efficient and convenient test experience. High-definition video can easily and clearly see the whole process of sample melting, automatically detect real-time map display, convenient for users to accurately measure the melting point and melting distance of the sample



Alpol-M80 Fully Automatic Video Melting Point Instrument

Innovation Points to Improve Efficiency

- Automatic integration, AI automatically sets parameters
- HD video instead of traditional microscope vision
- Data can be printed directly by a printer
- Four samples were processed at a time
- Automatic recording of melting process, initial melting and final melting
- 21 CFR Part 11, audit tracing, pharmacopoeia and electronic signature

The Key Technical Indexes

Temperature range	Room temperature-400℃
Detection method	Automatic (manual)
Processing capacity	4 samples / batch (four samples can be made simultaneously)
Temperature resolution	0.01℃
Linear heating rate error	± 5%
Heating rate	0.1℃ -20℃ (200 adjustable)
Temperature control method	PID precise temperature control furnace body fully closed design
Program segment temperature control	Up to 10 programmable gradient temperature control
Graph	Any zoom, easy to view any detail of the graph
Accuracy (JJG 701 standard level 0.2, provide measurement report)	±0.2℃ (≤200℃) / ±0.4℃ (>200℃)
Repeatability	Repetitive ± 0.1℃ at 0.1℃
Magnification	Standard with 9 times other multiples can be set
Display mode	10.4-inch FTF color touch screen
Data storage	128G
Map preservation	50,000 groups
Experimental method	200 sets
Experimental method locking	Yes
User management	Have / four-level authority management
Audit tracking	Yes
Electronic signature	Yes
Custom method library	Yes
Export file Verification Advanced protection MD5	Yes
Multiple file formats to export	PDF and Excel
Data interface	USB RS232 SD Wi-Fi, RJ 45, U disk (The upper computer software can be configured to upload the test data)
Scanning the gun	It supports scanning the gun QR code to directly input information
Capillary size	Outer diameter: φ 1.3mm, inner diameter:: φ 1.1mm
Packing size	430 * 320 * 370mm
Power supply	110-230V 50 / 60HZ 120W
Gross weight	6.50kg