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-M130 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 efficient and convenient test experience. High-definition video can easily and clearly see the whole process of sample melting and boiling, which is convenient for users to accurately measure the melting point, boiling point, turbidity point and sliding point of the sample



Alpol-M130 fully automatic video melting point instrument

Innovation Points to Improve Efficiency

- Automatic integration, AI automatically sets parameters
- High automation integration, one-click measurement function
- Melting point, boiling point, turbidity point, sliding point
- Four samples (3 small and 1 large hole) were processed at a time
- Fully automatic recording of melting range, initial melting and final melting
- Equipped with high-definition camera lens module

The Key Technical Indexes

Temperature range	Room temperature-420℃
Test mode	Melting point, boiling point, turbidity point, sliding point
Test samples	Can test a variety of types of samples
Testing method	Fully automatic (compatible with manual)
Processing capacity	4 / batch (four samples can be made at the same time)
Temperature resolution	0.01℃
Linear heating rate error	± 5%
Heating rate	0.1℃ - -20℃ (200 adjustable)
Program segment temperature control	Uup to 10 programmable gradient temperature control
Spectrum	Any zoom is available to view any detail of the spectrum
Accuracy (JJG 701 standard 0.2 level, provide measurement report)	±0.2℃(≤200℃) / ±0.4℃(>200℃)
Repeatability	Repetitive ± 0.1℃ at 0.1℃ / Min
Magnification	Standard with 9 times other multiples can be set
Display mode	10.4-inch FTF color touch color screen
Data storage	128G
Map preservation	40,000 groups
Experimental method	2,000 sets
User management	Have / four-level authority management
Audit tracking	Yes
Electronic signature	Yes
Custom method library	Yes
Experimental method locking	Yes
Export file Verification Advanced protection MD5	Yes
Printing mode	WIFI print serial port printing
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 QR code of the gun to directly input the information
Small capillary size	Outer diameter: φ 1.4mm, inner diameter: φ 1.0mm
Large capillary size	Outer diameter: φ 4.0mm, inner diameter:: φ 3.8mm
Packing size	O430 * 320 * 370mm
Power supply	110-230V 50 / 60HZ 120W
Gross weight	6.50kg