Melting Point Apparatus

Melting point instrument plays an important role in chemical industry and pharmaceutical research, and is an instrument for producing food, medicine, fragrance, dye and other organic crystal substances

Alpol-M30 video melting point instrument combines 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



Alpol-M30 Video Melting Point Instrument

Innovation Points to Improve Efficiency

- Automatic integration, AI automatically sets parameters
- High-definition video instead of traditional microscope vision
- 4 samples are processed at a time
- Data can be printed directly through the printer

The Key Technical Indexes

Temperature range	Room temperature-360°C
Detection method	Semi-automatic
Parameter Settings	AI automatic
Processing capacity	4 batches (four samples can be made at the same time)
Temperature resolution	0.01°C
Heating rate	0.1°C --20°C (200 levels, no pole adjustable)
Temperature control method	PID precise temperature control furnace body fully closed design
Program segment temperature control	Up to 10 programmable gradient temperature control
Accuracy	±0.3°C (≤ 200°C) / ±0.5°C (>200°C)
Repeatability	The repeatability of melting point is ±0.1°C when 0.1°C/Min
Magnification	Standard 9 times, other multiples can be set
Display mode	10.4 inch FTF color touch screen
Data storage	32G
Experimental method	40 sets
User management	There are / four levels of permission management
Audit trail	Yes
Electronic signature	Yes
Custom method library	Yes
Experimental method locked	Yes
Export file verification advanced protection MD5	Yes
Operation video	The instrument is self-contained
Printing mode	WIFI printing and serial port printing
Multiple file formats export	PDF and Excel
Data interface	USB RS232 SD Wi-Fi, RJ45, U disk (You can configure the upper computer software to upload test data)
Scanning gun	The scanning gun can scan the QR code to directly input information
Capillary size	Outer diameter ϕ 1.3mm, inner diameter ϕ 1.1mm
Package size	430*320*370mm
Power supply	110-230V 50/60HZ 120W
Weight	6.50kg