Melting Point Apparatus

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

Alpol-M50 video melting point instrument 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 bring users efficient and convenient test experience. High definition video can easily and clearly see the whole process of sample melting



Alpol-M50 video melting point instrument

Innovation Points to Improve Efficiency

- Automatic integration, AI automatically sets parameters
- High-definition video instead of traditional microscope vision
- Compliance with 21CFR Part 11, audit trail, pharmacopoeia and electronic signature
- 4 samples are processed at a time
- Data can be printed directly through the printer

The Key Technical Indexes

Temperature range	Room temperature-400℃
Detection method	Semi-automatic
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 levels, no pole adjustable)
Program segment temperature control	Up to 10 programmable gradient temperature control
Temperature control method	PID precise temperature control furnace body fully closed design
Accuracy (JJG 701 standard 0.2 level, provide measurement report)	±0.2℃ (≤200℃) / ±0.4℃ (>200℃)
Repeatability	The repeatability of melting point is ±0.1℃ when 0.1℃/min
Magnification	Standard 9 times, other multiples can be set
Display mode	10.4 inch FTF color touch screen
Data storage	64G
Experimental method	60 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
Printing mode	WIFI printing and serial port printing
Export in multiple file formats	PDF and Excel
Data interface	USB RS232 SD Wi-Fi, RJ45, U disk
Capillary size	Outer diameter φ1.3mm, inner diameter φ1.1mm
Package size	430*320*370mm
Power supply	110-230V 50/60HZ 120W
Weight	6.50kg