Video Melting Point Apparatus

Features:

* Android system with 10.1 inch touch screen, provides melting videos playback.
* 720P HD camera for clear observation.
* Use PID & PWM to control temperature.
* The light source brightness and detection sensitivity can be adjusted to better measure dark color samples.
* It can measure 4 samples at the same time.
* Audit tracking function is optional, which meets the relevant requirements of the National Pharmacopoeia, GMP, GLP, and FDA/21CFR Part 11, and has user management permissions.

Technical Parameters:

Model	BK-P685	BK-P682
Measurement Range	R.T.~400℃	R.T.~360℃
Measurement Mode	Automatic/visual (high-definition carnera, video caplure, playback monitoring)	
Measurement Methods	200	150
Number of Users	200	150
Audit Trail	Optional (FDA)	
Electronic Signature	YES	
Resolution	0.01℃	
Linear Heating-up Rate	0.1℃/min~20℃/min	
Accuracy	≤200℃±0.3℃; >200℃±0.5℃	
Repeatability	0.3℃ (heating rate:1.0℃/min)	
Linear Heating Rate Error	±10%	
Number of Capillary	4	
Capillary Dimensions	Outer diameter: Φ1.4mm, inner diameter: Φ1.0mm, length: 90mm	
Height of Sample	3mm	
Operation System	Android	
Date Storage	128G	64G
Display	10.1 inches touch screen	
Graph Storage	40000	20000
Interface	1*RS232, 3*USB, 1*RJ-45, WIFI	
Power Supply	AC 100~240V, 50/60Hz, 150W	
Package Size(W*D*H)	495*493*350mm	
Gross Weight	5kg	

Digital Melting Point Apparatus

Introduction:

The principle of the melting point apparatus is based on the phase transition process of matter, that is, the transition from a solid to a liquid state. When measuring with a melting point meter, first place the sample to be tested in the sample chamber and ensure that the sample is in a solid state. Then, heat is applied to the sample through a heating system, gradually increasing the temperature of the sample. At the same time, the observation system records and displays the temperature change curve of the sample. When the sample reaches its melting point, the solid material begins to melt into a liquid state. This process absorbs heat, causing a noticeable steep drop in the temperature curve. The melting point meter determines the melting point of a substance by monitoring this temperature change.

Features:

* Can connect to a computer for data transferring.
* Touch screen.
* Use PID & PWM to control the temperature.
* Real time melting curve.
* Equipped with clock function.
* Calculate average value of initial and final melting points automatically.

Technical Parameters:

Model	BMP-1B
Measuring Range	RT~320℃
Resolution	0.1℃
Linear Heating-up Rate	0.1℃/min~20℃/min
Temperature Accuracy	±0.4℃(≤200℃), ±0.7℃(>200℃)
Repeatability	0.3℃(Heating rate: 1.0℃/min)
Capillary Size	φ1.4mm(outside diameter), φ1.0mm(inside diameter), 90mm(length)
Sample Loading Height	3mm
Data Storage	/
Interface	RS232, USB
Optional Accessory	Thermal printer
Power Supply	AC 110~240V, 50/60Hz
External Size(W*D*H)	360*290*170mm
Package Size(W*D*H)	500*445*330mm
Gross Weight	11kg