## 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.

### 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 |
| User name/password hierarchical management | 200 | 150 |
| Audit Trail | Optional (FDA) | |
| Electronic Signature | YES | |
| Minimum Digital Display | 0.1℃ | |
| 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, Height:90mm | |
| Height of Sample | 3mm | |
| Operation System | Android | |
| Date Storage | 128G | 64G |
| Display | 10.1 inches capacitive touch screen | |
| Graph Storage | 40000 | 20000 |
| Interface | 1*RS232, 3*USB, 1*RJ-45, WIFI | |
| Power Supply | 100~240V, 50/60Hz, 150W | |
| Package Size | 495*493*350mm | |
| Gross Weight | 5kg | |





## Digital Melting Point Apparatus

### Features for BMP-1B:

* Photoelectric test.
* LCD display.
* RS232 interface.
* Real time melting curve.


BMP-1B

### 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.

### Technical Parameters:

| Model | BMP-1B |
|---|---|
| Measuring Range | RT~320℃ |
| Resolution | 0.1℃ |
| Linear heating-up Rate | 0.2, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0℃/min |
| Temperature Accuracy | 0.4℃ (≤200℃), 0.7℃(＞200℃) |
| Repeatability | 0.3℃ |
| Capillary Size | φ1.4mm(outside diameter), φ1.0mm(inside diameter), 90mm (height) |
| Sample Loading Height | 3mm |
| Data Storage | / |
| Printer | RD TH-32C(Standard) |
| Power Supply | AC110/220V±10%, 50/60Hz |
| External Size(W*D*H) | 360*290*270mm |
| Package Size(W*D*H) | 580*430*310mm |
| Gross Weight | 13kg |