

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:**
  - \* PID&PWM controller.
  - \* Touch screen.
  - \* Equipped with clock function.
  - \* The melting curve can be recorded automatically.
  - \* It can calculate average value of initial and final melting points automatically.
  - \* Can connect to a computer for data transferring.

Technical Parameters:

| Model                  | BMP-2C                                                          | BMP-1C        |
|------------------------|-----------------------------------------------------------------|---------------|
| Measuring Range        | RT~360℃                                                         | RT~400℃       |
| 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           | 1000 sets                                                       |               |
| Thermal Printer        | Standard                                                        | Optional      |
| Interface              | RS232, USB                                                      |               |
| Power Supply           | AC 100~240V, 50/60Hz                                            |               |
| External Size(W*D*H)   | 360*290*170mm                                                   |               |
| Package Size(W*D*H)    | 576*428*306mm                                                   | 469*432*315mm |
| Gross Weight           | 8.5kg                                                           | 7.5kg         |

Anaerobic Jar

- Features:**
  - \* Excellent airtight performance, avoiding any undue leakage.
  - \* PMMA material, smooth surface, shock and impact resistant.
  - \* Jar and lid are both transparent, sealing between lid and jar consists of an excellent quality O-ring.
  - \* Strong jar-lid-clamp construction, guarantee the overall airtight performance.
  - \* Colored stainless steel clamp with power electrostatic painting, durable and convenient for experimental management.
  - \* Adopting quick snap-shut coupling, enabling quick connection to the system in one swift move.
  - \* For BK-AJH series, configuration list: anaerobic jar, 15/25R rack, pressure gauge(standard: oil type, optional: oil-free type); For BK-AJG series, configuration list: anaerobic jar, 15/25 rack.



Technical Parameters:

BK-AJH Series Pumping Type Jar: 3 to 5 minutes every time

| Model     | Contents                                                      | Petri Dish Holder | Package Size(W*D*H) | Gross Weight |
|-----------|---------------------------------------------------------------|-------------------|---------------------|--------------|
| BK-AJH015 | 1 stack of 6 dishes(φ9-10cm)<br>ø=130mm, h=150mm; 1.5 liters  | 15R               | 245*215*295mm       | 2.0kg        |
| BK-AJH025 | 1 stack of 12 dishes(φ9-10cm)<br>ø=130mm, h=240mm; 2.5 liters | 25R               | 245*215*395mm       | 2.5kg        |
| BK-AJH035 | 1 stack of 18 dishes(φ9cm)<br>ø=130mm, h=280mm; 3.5 liters    | 15/25R            | 245*215*495mm       | 3.0kg        |
| BK-AJH050 | 3 stacks of 6 dishes(φ9cm)<br>ø=240mm, h=120mm; 5 liters      | 3/15R             | 370*370*340mm       | 5.6kg        |
| BK-AJH070 | 3 stacks of 8 dishes(φ9cm)<br>ø=240mm, h=160mm; 7 liters      | 3/15R             | 370*370*370mm       | 6.0kg        |
| BK-AJH100 | 3 stacks of 12 dishes(φ9cm)<br>ø=240mm, h=230mm; 10 liters    | 3/25R             | 370*370*470mm       | 7.0kg        |

BK-AJG Series Hermetic Type Jar: About 4 hours every time

| Model     | Contents                      | Petri Dish Holder | Package Size(W*D*H) | Gross Weight |
|-----------|-------------------------------|-------------------|---------------------|--------------|
| BK-AJG015 | 1 stack of 6 dishes(φ9-10cm)  | 15R               | 245*215*295mm       | 2.0kg        |
| BK-AJG025 | 1 stack of 12 dishes(φ9-10cm) | 25R               | 245*215*395mm       | 2.5kg        |
| BK-AJG035 | 1 stack of 18 dishes(φ9cm)    | 15/25R            | 245*215*495mm       | 3.0kg        |
| BK-AJG050 | 3 stacks of 6 dishes(φ9-10cm) | 3/15R             | 370*370*340mm       | 5.6kg        |
| BK-AJG070 | 3 stacks of 8 dishes(φ9cm)    | 3/15R             | 370*370*370mm       | 6.0kg        |
| BK-AJG100 | 3 stacks of 12 dishes(φ9cm)   | 3/25R             | 370*370*470mm       | 7.0kg        |