

Digital Melting Point Apparatus

Features for BMP-2C/1C:

- * PID & PWM controller.
- * LCD touch screen for BMP-2C/BMP-1C.
- * USB & RS232 interface.
- * The melting curve can be recorded automatically.
- * It can calculate average value of initial and final melting points automatically.



BMP-2C/1C

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-2C | BMP-1C |
|------------------------|--|---------------------|
| Measuring Range | RT~360℃ | RT~400℃ |
| Resolution | 0.1℃ | |
| Linear heating-up Rate | 0.1℃~20℃/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 | 1000 sets | |
| Printer | RD TH-32C(Standard) | RD TH-32C(Optional) |
| Power Supply | AC110/220V±10%, 50/60Hz | |
| External Size(W*D*H) | 360*290*270mm | |
| Package Size(W*D*H) | 580*430*310mm | 500*430*310mm |
| Gross Weight | 13kg | 11kg |

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 Serie, configuration list: anaerobic jar, 15/25Rrack.



BK-AJH Series

BK-AJG Series

Technical Parameters:

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

| Model | Contents | Petri Dish Holder | Packing Size(L*W*H) | Gross Weight |
|-----------|---|-------------------|---------------------|--------------|
| BK-AJH015 | 1stack of 6 dishes (φ9-10cm) ø =130mm, h=150mm; 1.5liter | 15R | 245*215*295mm | 2.3kg |
| BK-AJH025 | 1stack of 12 dishes (φ9-10cm) ø =130mm, h=240mm; 2.5liter | 25R | 245*215*395mm | 2.8kg |
| BK-AJH035 | 1stack of 18 dishes (φ9-10cm) ø =130mm, h=330mm; 3.5liter | 15/25R | 245*215*495mm | 3.3kg |
| BK-AJH050 | 3 stacks of 6 dishes (φ9-10cm) ø =240mm, h=120mm; 5liter | 3/25R | 370*370*340mm | 5.9kg |
| BK-AJH070 | 3 stacks of 8 dishes (φ9-10cm) ø =240mm, h=160mm; 7liter | 3/25R | 370*370*370mm | 6.3kg |
| BK-AJH100 | 3 stacks of 12 dishes (φ9-10cm) ø =240mm, h=230mm; 10liter | 3/25R | 370*370*470mm | 7.3kg |

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

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