

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°C	RT~400°C
Resolution	0.1°C	
Linear heating-up Rate	0.1°C~20°C/min	
Temperature Accuracy	0.4°C (≤200°C), 0.7°C (>200°C)	
Repeatability	0.3°C	
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 series, configuration list: anaerobic jar, 15/25 rack.



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