

MP300 Automatic Melting Point Apparatus

MP120 /MP300 Auto Melting Point Apparatus are integrated with photoelectric detection, digital temperature display and other technologies, boasts automatic display of initial and final melts and other functions. In the temperature system, linearly calibrated platinum resistor is used as the detection device, offering efficient and accurate test process and results. The apparatus can be widely used in the chemical industry and medicine research and is essential for the production of medicines, spices, dyes and measurement of other organic crystal substances.

Characteristic

- Advanced true-color VGA touch screen is easy for operation and observation
- 8-level linear temperature rise design is satisfactory for varied temperature rise options.
- Wider temperature control scope and higher temperature accuracy.
- Optimal cooling rate and sample test speed.
- The variation curve of tested sample can be displayed in a timely manner.
- RS232 interface, associated computer software and external computer control are available.
- Detailed test data can be stored.
- Exclusive integral design.

MP300



Maximum Productive

Three independent temperature detection systems ensure the detection of three samples of varied melting points.

MP120 Automatic Melting Point Apparatus

MP120



Characteristic

- Advanced true-color VGA touch screen is easy for operation and observation.
- 8-level linear temperature rise design is satisfactory for varied temperature rise options.
- Wider temperature control scope and higher temperature accuracy.
- Optimal cooling rate and sample test speed.
- Exclusive integral design.

Note: “•” with the same technical index; “—” without

Technical data:		
	MP120	MP300
Melting point range	50°C~ 400°C	•
"Initial temperature" setting rate	≤6min (50°C~400°C)	•
	≤7.5min (400°C~50°C)	•
Min. displayed temperature	0.1°C	•
Repeatability	0.2°C at heating rate of 0.2°C/min	•
Temperature accuracy	±0.4°C(<200°C), ±0.7°C(<300°C)	•
Temperature gradients	0.1°C/min, 0.2°C/min, 0.5°C/min, 1°C/min, 2°C/min, 3°C/min, 4°C/min, 5°C/min	0.1-5°C/min 50 gradients
Standard capillary size	inside dia. 1.0mm, outside dia. 1.4mm	•
Capacity per batch	1 pc/batch	3 pcs/batch
Power supply	220VAC±10%, 50Hz	•
Power	150W	300W
Net Weight	12Kg	16Kg
Dimension	455mmx312mmx200mm(MP120) 523mmx312mmx200mm(MP300)	