

MPA-1, Melting Point Apparatus



MPA-1 Digital Melting Point Apparatus is 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, offer 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.

Characteristics:

- Automatic photoelectric detection can well complete all detection tasks under no attention.
- It's mainly used for the detection of melting points of medicines, spices, dyes and other organic crystal substances.
- Large-size LCD screen can directly display as many as three melting curves at the same time

Model	MPA-1
Melting point range	Room temperature - 320°C
"Initial temp." setting	≤6min. from room temp. to 320°C ≤7min. from 320°C to room temp.
Min. displayed temp.	0.1°C
Temp. accuracy	±0.4°C (<200°C), ±0.7°C (<300°C)
Linear temperature rise	0.2°C/min, 0.5°C/min, 1°C/min, 1.5°C/min, 2°C/min, 3°C/min, 4°C/min or 5°C/min
Standard capillary size	Inside dia. 1.0mm, outside dia. 1.4mm
Power supply	220V 50Hz
Power	100W

MPA-3, MPA-12 Melting Point Apparatus



MPA-12/3 Digital 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.

Characteristics:

- 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.
- It's completely in line with pharmacopeia and GLP requirements. (MPA-3 only)
- Three independent temperature detection systems ensure the detection of three samples of varied melting points. (MPA-3 only)
- The variation curve of tested sample can be displayed in a timely manner. (MPA-3 only)
- RS232 interface, associated computer software and external computer control are available.
- Detailed test data can be stored. (MPA-3 only)

Model	MPA-3	MPA-12
Melting point range	Room temperature - 400°C	
"Initial temp." setting	≤7min. from room temp. to 400°C ≤7.5min. from 400°C to room temp.	
Min. displayed temp.	0.1°C	
Temp. accuracy	±0.4°C (<200°C), ±0.7°C (<300°C)	
Linear temperature rise	0.1°C/min, 0.2°C/min, 0.5°C/min, 1°C/min, 2°C/min, 3°C/min, 4°C/min or 5°C/min	
Standard capillary size	Inside dia. 1.0mm, outside dia. 1.4mm	
Power supply	220V 50Hz	
Power	100W	