



Electrothermal

Melting Point Range

Electrothermal's range of melting point apparatus consists of the Mel-Temp® and IA9100, IA9200, IA9300. The Mel-Temp® gives a temperature resolution of $\pm 1^{\circ}\text{C}$, whereas the IA900 series has a temperature resolution of $\pm 0.1^{\circ}\text{C}$ & other performance enhancements.



IA9100, IA9200, IA9300



The updated IA9000 series Digital Melting Point Apparatus offers a quick way to measure the melting points of samples, without sacrificing accuracy; the temperature resolution is within 0.1°C. It is ideal for multiple users, being ergonomically designed to ensure comfortable viewing for everyone, with a height-adjustable extension arm and a viewing head that may be rotated to suit each user. As a visual aid, the viewing head holds a viewing magnifier that offers 8x magnification.

As a further convenience, the extension arm is completely collapsible and can be neatly folded away into the unit, so that the unit can be stored flat to save space.

Each IA9000 series model comes supplied with a complimentary pack of 50 capillary tubes, its own power supply and power cable. The IA9000 series operates at both 115V and 230V.

- Membrane keypad with simple menus for intuitive use
- Push button controls are conveniently located to ensure that temperatures can be recorded without looking away from the sample
- Digital microprocessor with $\pm 0.1^\circ\text{C}$ resolution provides fast warm-up and accurate temperature control
- Samples in 3 capillary tubes may be viewed simultaneously

Safety and convenience

- 3 Audible beeps indicate that the oven temperature is stable and ready for sample
- Adjustable arm with 8x viewing magnifier can be folded away into the unit
- Adjustable object lens for sharp focus
- Daylight-balanced LEDs for improved sample illumination
- Rotating viewing head and safety eye piece to protect against glare and hot zone
- Integral light and wide angle 8x magnifier enhance sample observation, so that all 3 samples can be viewed without eye strain
- Units can be calibrated in field or at factory, if in the field a calibration kit is required
- Improved calibration procedure using a calibration key

Mel-Temp®



The updated 1101D Mel-Temp® Digital Melting Point Apparatus offers a quick and easy way to measure the melting points of samples to a resolution of $\pm 1^\circ\text{C}$ at a budget price. It is ideal for multiple users, being ergonomically designed to ensure comfortable viewing for everyone, with a height-adjustable extension arm and a viewing head that may be rotated to suit each user. As a visual aid, the viewing head holds a viewing magnifier that offers 8x magnification.

As a further convenience, the extension arm is completely collapsible and can be neatly folded away into the unit, so that the unit can be stored flat to save space. Each Digital Mel-Temp® comes supplied with a complimentary pack of 50 capillary tubes, its own power supply and power cable.

The 1101D Mel-Temp® has power requirements of 115V and 50-60Hz. The 1102D Mel-Temp® Digital Melting Point Apparatus has exactly the same functionality, but has power requirements of 230-240V; 50-60Hz.

- Membrane keypad with simple menus for intuitive use
- Push button controls are conveniently located to ensure that temperatures can be recorded without looking away from the sample
- Digital microprocessor with $\pm 1^\circ\text{C}$ resolution provides fast warm-up and accurate temperature control
- Samples in 3 capillary tubes may be viewed simultaneously

Safety and convenience

- 3 Audible beeps indicate that the oven temperature is stable and ready for sample
- Adjustable arm with 8x viewing magnifier can be folded away into the unit
- Adjustable object lens for sharp focus
- Rotating viewing head and safety eye piece to protect against glare and hot zone
- Integral light and wide angle 8x magnifier enhance sample observation, so that all 3 samples can be viewed without eye strain
- Units can be calibrated by the user on their site or by manufacturer/service organisation. If calibrated by the user, a calibration kit is required.

Model	Description	Electrical Requirements
IA9100	Fixed Ramp Rate Model	230V, 50/60Hz, 45W
IA9100X1	Fixed Ramp Rate Model	115V, 50/60Hz, 45W
IA9100X6	Fixed Ramp Rate Model	230V, 50/60Hz, 45W, EU Plug
IA9200	Programmable Ramp Rate Model	230V, 50/60Hz, 45W
IA9200X1	Programmable Ramp Rate Model	115V, 50/60Hz, 45W
IA9200X6	Programmable Ramp Rate Model	230V, 50/60Hz, 45W, EU Plug
IA9300	Beginning/Ending Recording Model for Pharmacopeia Requirements	230V, 50/60Hz, 45W
IA9300X1	Beginning/Ending Recording Model for Pharmacopeia Requirements	115V, 50/60Hz, 45W
IA9300X6	Beginning/Ending Recording Model for Pharmacopeia Requirements	230V, 50/60Hz, 45W, EU Plug
1101D	Mel-Temp® Fixed Ramp Rate Model	115V, 50/60Hz, 45W
1102D	Mel-Temp® Fixed Ramp Rate Model	230V, 50/60Hz, 45W,

*Please note that each instrument is supplied with a pack of 50 capillary tubes, power supply and power cable.



For more information: <http://www.electrothermal.com/>