

Cole-Parmer®

Cole-Parmer® Melting Point IA9000 Series

- Temperature resolution $\pm 1^{\circ}\text{C}$
- Accommodates 3 Melting point capillaries of up to 2mm outside diameter
- Tube Guide removal for cleaning and use of cold finger
- 32-bit Processor
- 4 x 1 Melt memory capacity
- 3-key membrane keypad



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Melting Point IA9000 Series

Cole-Parmer® 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 $\pm 0.1^\circ\text{C}$ and other performance enhancements.

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Fixed Ramp Rate Model (100-240V, 50 / 60Hz, 15DC, 45W)	03010-51	MP250	MP-250D-F	IA9100
Programmable Ramp Rate Model (100-240V, 50 / 60Hz, 15DC, 45W)	03010-41	MP250	MP-250D-P	IA9200
Beginning / Ending Recording Model for Pharmacopeia Requirements (100-240V, 50 / 60Hz, 15DC, 45W)	03010-59	MP250	MP-250D-PR	IA9300
Beginning / Ending Recording Model for Pharmacopeia Requirements with IQ/OQ Documentation (includes Calibration Key Kit) (100-240V, 50 / 60Hz, 15DC, 45W)	03010-64	MP250	MP-250D-PR	IA9300/IQOQ
Fixed ramp rate model (100-240V, 50 / 60Hz, 15DC, 45W)	03010-15	MP250	MP250D	1101D

Technical Specification

Specification	IA9100	IA9200	IA9300	1101D
32-bit Processor	•	•	•	•
Accommodates 3 Capillary Tubes up to 2mm OD (Storage for pack 100)	•	•	•	•
Tube Guide removal for cleaning and use of cold finger.	•	•	•	•
40mm diameter Lens (magnification x 8) removable and with adjustable focus	•	•	•	•
Oven temperature range (ambient to 400°C)	•	•	•	•
Temperature resolution $\pm 0.1^\circ\text{C}$	•	•	•	$\pm 1^\circ\text{C}$
Accuracy $\pm 1\%$	•	•	•	•
13-key membrane keypad	•	•	•	•
Cooling temp selection	•	•	•	•
Fast ramp rate of $10^\circ\text{C}/\text{minute}$	•	•	•	•
Selectable ramp rate of $1.0^\circ\text{C}/\text{min}$ & $10^\circ\text{C}/\text{min}$	•	•	•	•
Selectable ramp rates of $0.2 - 10^\circ\text{C}/\text{min}$		• (default $0.2^\circ\text{C}/\text{min}$)	• (default $1.0^\circ\text{C}/\text{min}$)	
White LED illuminated oven	•	•	•	•
Date & Time facility		•	•	
PC Output facility		•	•	
Printer Output facility		•	•	
USB Output to flash drive		•	•	
Display (2 rows of characters with backlit LCD)	•	•	•	•
4 x 1 Melt memory capacity	•	•	•	•
3 x 2 Melt memory capacity		•	•	
Batch memory capacity of 500 melts		•	•	
Batch memory capacity of 1000 melts		•	•	
Serial (RS232-C) Port for Printer		•	•	
Dimensions (d x w x h), mm	355 x 200 x 80	355 x 200 x 80	355 x 200 x 80	355 x 200 x 80
Shipping Weight, kg	2.5	2.5	2.5	2.5

Accessories Digital Melting Point Apparatus Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Cold Finger	03010-63	MP250	IA9100	AZ9001
Calibration key	03010-65	MP250	N/A	AZ9253
Capillary Tubes 1.5mm (10x100 pack)	03010-67	MP250	1101D	AT4042
Capillary Tubes 2.0mm (10x100 pack)	03010-68	MP250	N/A	AT4043
Printer (with connecting ribbon cable)	03010-69	MP250	N/A	PR2000S
Paper Roll (2) and ribbon for printer	03010-62	MP250	N/A	AT4044



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