Cole-Parmer®

Cole-Parmer®
Melting Point MP-250D

- Temperature resolution ±1°C

- Accommodates 3 melting point capillaries of up to 2mm outside diameter

- Tube guide removal forcleaning and use of cold finger

- 32-bit processor

- 4 x 1 melt memory capacity

- 3-key membrane keypad

antylia
SCIENTIFIC

Cole-Parmer®
Melting Point MP-250D

The Cole-Parmer® updated and improved MP-250D series digital melting point apparatus offers an easy 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. The melting point apparatus has a membrane keypad with easy-to-use menus.

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. The MP-250D-P and MP-250D-PR melting point apparatus models offer the option of storing 500 to 1000 melting point determinations and can be connected to a printer. Each MP-250D series model comes supplied with a pack of 100 capillary tubes.

Performance

• 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 ±0.1°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 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 viewing 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 the manufacturer/service organisation. If calibrated by the user, a calibration kit is required

• Improved calibration procedure using a calibration key

Technical Specification

Specification	MP-250D-F	MP-250D-P	MP-250D-PR	MP250D
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 400ºC)	●	●	●	●
Temperature resolution ±0.1ºC	●	●	●	±1ºC
Accuracy ±1%	●	●	●	●
13-key membrane keypad	●	●	●	●
Cooling temp selection	●	●	●	●
Fast ramp rate of 10ºC/minute	●	●	●	●
Selectable ramp rate of 1.0ºC/min & 10ºC/min	●	●	●	●
Selectable ramp rates of 0.2 - 10ºC/min	-	● (default 0.2ºC/min)	● (default 1.0ºC/min)	-
White LED illuminated oven	●	●	●	●
Date & Time 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

antylia
SCIENTIFIC

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Fixed ramp rate model (100-240V, 50 / 60Hz, 15DC, 45W)	03010-51	MP-250	MP-250D-F	IA9100
Programmable ramp rate model (100-240V, 50 / 60Hz, 15DC, 45W)	03010-41	MP-250	MP-250D-P	IA9200
Beginning / ending recording model for Pharmaco-peia requirements (100-240V, 50 / 60Hz, 15DC, 45W)	03010-59	MP-250	MP-250D-PR	IA9300
Beginning / ending recording model for Pharmaco-peia requirements with IQ/OQ documentation (in-cludes calibration key kit) (100-240V, 50 / 60Hz, 15DC, 45W)	03010-64	MP-250	MP-250D-PR	IA9300/IQOQ
Fixed ramp rate model (100-240V, 50 / 60Hz, 15DC, 45W)	03010-15	MP-250	MP-250D	1101D

Accessories Ordering Information

Description	Ordering Number	Legacy Sku.
Cold finger	03010-63	AZ9001
Calibration key	03010-65	AZ9253
Capillary tubes 1.5mm (10x100 pack)	03010-67	AT4042
Capillary tubes 2.0mm (10x100 pack)	03010-68	AT4043
Printer (with connecting ribbon cable)	03010-69	PR2000S
Paper roll (2) and ribbon for printer	03010-62	AT4044

WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.