

# Cole-Parmer® Stuart™ Automatic Melting Point - MP-200D, MP-200D-HR

- Two samples can be tested simultaneously
- Samples viewed via a magnifying lens with clear observation aided by built in illumination
- Extendible back feet allow the unit to be operated at the optimum viewing angle
- Full access to the block aids cleaning
- The unit then heats at a fixed rate of 2°C per minute for the MP-200D and at a user selected rate of between 1 and 10°C per minute for the MP-200D-HR
- 8GB on-board storage is included, which should comfortably hold approximately 300 melt files





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The MP-200D and MP-200D-HR have been designed with safety and ease of operation in mind making it ideal for use in education. The temperature is selected, measured and displayed digitally making it accurate and negating the need for a thermometer. The MP-200D displays temperature to 1 degree resolution while the more advanced MP-200D-HR has a 0.1 degree resolution as well as a variable ramp rate and hold key so that the exact melt temperature can be recorded.

## Technical Specification

Specification	MP-200D	MP-200D-HR
<b>Melting point method</b>	Digital	Digital
<b>No of samples</b>	2	2
<b>Temperature range</b>	Ambient to 300°C	Ambient to 300°C
<b>Temperature resolution</b>	1°C	0.1°C
<b>Display</b>	Three digit LED	Four digit LED
<b>Ramp rate</b>	20°C per minute plateau 2°C per minute to melt	20°C per minute plateau variable between 1-10°C per minute to melt
<b>Temperature sensor</b>	PT100 Platinum resistance	PT100 Platinum resistance
<b>Memory</b>	No	No
<b>Accessory printer</b>	No	No
<b>Date/time display</b>	No	No
<b>Cool down time 350-50°C</b>	40 mins (300-50°C)	40 mins (300-50°C)
<b>Heat up time 50-350°C</b>	15mins	15mins
<b>Electrical supply</b>	230V, 50Hz, 50W	230V, 50Hz, 50W
<b>Onboard capillary storage</b>	No	No
<b>In-built glass cutter</b>	No	No
<b>Language variants</b>	English, German, French, Spanish	English, German, French, Spanish
<b>Temperature units</b>	°C	°C
<b>Dimensions h x d x w</b>	170 x 220 x 160	170 x 220 x 160
<b>Net weight (kg)</b>	1.8	1.8

## Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Analogue melting point apparatus, complete with thermometer and pack of 100 open ended melting point tubes	03011-41	MP-200	MP-200D	SMP10
Digital melting point apparatus, 1°C resolution, complete with pack of 100 melting point tubes, closed at one end	03011-47	MP-200	MP-200D-HR	SMP20
Analogue melting point apparatus, complete with thermometer and pack of 100 open ended melting point tubes	03011-40	MP-200	MP-200D-120	SMP10/120V/60
Digital melting point apparatus, 1°C resolution, complete with pack of 100 melting point tubes, closed at one end	03011-45	MP-200	MP-200D-HR-120	SMP20/120V/60
Glass melting point tubes, closed ends, pack of 100	03013-65	MP-200	N/A	SMP2/1
Glass melting point tubes, closed at one end, pack of 100	03013-64	MP-200	N/A	SMP10/1

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