

## Cole-Parmer<sup>®</sup> Stuart<sup>™</sup> SMP10/SMP20 Automatic Melting

- 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 SMP10 and at a user selected rate of between 1 and 10°C per minute for the SMP20
- 8GB on-board storage is included, which should comfortably hold approximately 300 melt files





# Cole-Parmer® Stuart™ SMP10/SMP20 Automatic Melting

The SMP10 and SMP20 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 SMP10 displays temperature to 1 degree resolution while the more advanced SMP20 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	SMP10	SMP20
Melting point method	Digital	Digital
No of samples	2	2
Temperature range	Ambient to 300°C	Ambient to 300°C
Temperature resolution	1°C	0.1°C
Display	Three digit LED	Four digit LED
Ramp rate	20°C per minute plateau 20°C per minute to melt	20°C per minute plateau variable between 1-10°C per minute to melt
Temperature sensor	PT100 Platinum resistance	PT100 Platinum resistance
Memory	No	No
Accessory printer	No	No
Date/time display	No	No
Cool down time 350-50°C	40 mins (300-50°C)	40 mins (300-50°C)
Heat up time 50-350°C	15mins	15mins
Electrical supply	230V, 50Hz, 50W	230V, 50Hz, 50W
Onboard capillary storage	No	No
In-built glass cutter	No	No
Language variants	English, German, French, Spanish	English, German, French, Spanish
Temperature units	°C	°C
Dimensions h x d x w	170 x 220 x 160	170 x 220 x 160
Net weight (kg)	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
Accessory Printer	83056-79	MP-200	N/A	SMP50PRINTER
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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