

# Cole-Parmer® Stuart™ SMP50 Automatic Melting Point

- All operation is via the 7" high definition colour touchscreen
- Custom designed user interface based on an established Android platform for intuitive setup and navigation
- Useful storage drawer to house all standard capillary tubes
- Camera technology is employed to produce a high resolution video of the sample melt
- 8GB on-board storage is included, which should comfortably hold approximately 300 melt files including videos



# Cole-Parmer® Stuart™ SMP50 Automatic Melting Point



Stuart has been instrumental in making the automatic melting point a commonplace piece of laboratory equipment. By utilising the latest in digital imaging technology, users for the first time, had the opportunity to record a video of the melt. This provides proof of measurement for traceability, and more importantly allows scientists to trust the automatically obtained result.

To ensure that the Stuart automatic melting point continues to be at the cutting edge of technological advancements, we have released the SMP50 to replace the already successful SMP40.

## Technical Specification

Specification	SMP50
No of samples	3 simultaneously
Temperature range	Ambient to 400°C
Temperature resolution	0.1°C
Display	7 inch HD Colour
Ramp rates	0.1-20°C in 0.1°C increments
Temperature sensor	PT1000 Platinum resistance
Memory	8GB (approx. 300 results with video)
Cool down time 350-50°C	~12 mins
Heat up time 50-350°C	~ 6 mins
Oven control	Closed loop PID
Data transfer	USB Flash drive
Sample level	2-3mm in 50mm or 100mm length capillaries
Electrical supply	120V / 230V, 50-60Hz
Temperature units	°C or °F
Size (h x d x w)	164 x 360 x 300mm
Net Weight	4.6Kg
Languages	English / French

## Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Automatic melting point	03013-02	MP-800	MP-800D	SMP50
Automatic melting point with IQ/OQ documentation	03013-03	MP-800	MP-800D	SMP50/IQOQ
Accessory Printer	83056-79	MP-800	N/A	SMP50/PRINTER
Glass melting point tubes, closed ends, pack of 100	03013-65	MP-800	N/A	SMP2/1
Glass melting point tubes, closed at one end, pack of 100	03013-64	MP-800	N/A	SMP10/1

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USA: +1.800.323.4340  
 Canada: +1.800.363.5900  
 China: +86.21.5109.9909  
 France: +33 (0) 1486 37800  
 Germany: +49 (0) 9377 92030

India: +1.800.266.1244  
 Italy: +39 (0) 1313 89513  
 UK: +44 (0) 1480 272279  
 All other countries: +1.847.549.7600

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