

## Melting Point Apparatus, advanced, SMP30 continued



MP/15102

## Technical Specifications

No of samples	3
Temperature range	Ambient to 400°C
Temperature resolution	0.1°C
Display	40 x 4 LCD
Ramp rates	0.5-10°C in 0.1°C increments
Memory	8 results per tube
Date/time display	Yes
Cool down time 350-50°C	~10 mins
Heat up time 50-350°C	~ 6 mins
Electrical supply	120V / 230V, 50-60Hz,
Language variants	English, German, French, Italian
Temperature units	°C, °F

Cat. No.	Code	Description
MP/15102	SMP30	Melting point apparatus, complete with pack of 100 melting point tubes, closed at both ends.
MP/15302	SMP10/1	Glass melting point tubes, closed at one end, pack of 100
MP/15304	SMP2/1	Glass melting point tubes, closed at both ends, pack of 100
MP/15106	SMP30/1	Accessory printer with power supply

## Automatic Melting Point Apparatus, SMP50



The Stuart SMP50 Automatic melting point apparatus incorporates the latest digital camera technology to produce a high resolution video of the sample melt. This allows the intelligent melt algorithm to identify the smallest of changes within the sample, accurately and reliably determining the melting point of up to three samples simultaneously.

The custom designed user interface is based on an established Android platform and produces intuitive setup and navigation features. All operation is via the 7" high definition colour touchscreen which, once programmed, users can leave the SMP50 to complete the melt analysis independently. As an alternative, the melt can also be observed on the screen live or post-melt. During the post melt review, additional measurement tags can be added if required, such as meniscus point or the automatically obtained result can be overwritten.

A generous 8GB on board storage is included, which should comfortably hold approximately 300 melts files including videos. Results can also be transferred via USB stick on on to a PC for a more permanent long term record. In addition to this, there is also an accessory printer available for direct printing of results for immediate use directly from the unit. All video files include a temperature stamp, so whatever device they are viewed on, confirmed yield can be automatically obtained.

The unit also incorporates a storage drawer that can be used to hold melting point tubes and also contains a cutter that can be used to accurately, and cleanly, cut sample tubes in half if required. All units are supplied with a calibration certificate showing the individual serial number, manufactured to conform to Pharmacopeia and GLP.



MP/1530

## Technical Specifications

Number of samples	3 Simultaneously
Temperature range	Ambient to 400°C
Temperature resolution	0.1°C
Display	7inch 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 minutes
Heat up time 5 - 350°C	~6 minutes
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 w x d)	164 x 360 x 300mm
Nett weight	4.6Kg
Languages	English, French



MP/15404

Cat. No.	Code	Description
MP/15404	SMP50	Melting point apparatus, complete with pack of 100 melting point tubes
SP/25104	SMP50/Printer	Printer, accessory
MP/15302	SMP10/1	Glass melting point tubes, closed at one end, pack of 100
MP/15304	SMP2/1	Glass melting point tubes, closed at both ends, pack of 100