



Melting Point, Digital, Advanced, SMP30

Model: SMP30

Brand: Stuart

Origin: England

Maximum temperature 400°C

Patented head up display

Integrated cooling 350°C to 50°C in 10 minutes

Large easy to read user friendly interface

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Designed for fast accurate determination of melting points, the SMP30 can take three samples simultaneously within the optimized heating block, the unit has a maximum temperature of 400°C. To allow maximum flexibility a plateau facility is included with variable ramp rate between 0.5 and 10°C in 0.1°C increments. The tubes are illuminated with bright white LED's to give the clearest view of the samples during the melt. The block has been designed for easy access for cleaning, the front of the head is fully removable to allow full access to the micro furnace.

The SMP30 has a large clear back lit alphanumeric LCD display, running the menu system which clearly guides you through the melting process with comprehensive directions. Language is switchable between English, German, French and Italian. It is possible to record up to 7 events in memory for each of the three sample tubes, as well as being temperature stamped these events are also date and time recorded, thanks to the integrated real time clock.

The SMP30 features the patent pending head up display, this unique feature displays a floating image of the block temperature, visible through the eyepiece, in front of the tubes. The head up display eliminates the need for the user to keep switching their gaze between the tubes and the temperature display, through the eyepiece they can now see both at once.

To allow the most comfortable viewing angle the SMP30 features a two stage head adjustment, in the first movement the head is pulled towards the user, then in a separate motion the angle of the head can be adjusted by up to 126°, and will automatically hold in place due to the torsion resistant design to create the perfect viewing angle. The head can then be stored safely back within the body of the unit for storage.

The design of the unit has lots of other useful features such as slots for storing pre-prepared samples and a storage draw to hold a container of capillary tubes.

An accessory printer is available separately to produce a written record of the melt, and all units are supplied with a calibration certificate showing individual serial numbers for traceability.

No of samples	3
Temperature range	Ambient to 400°C
Temperature resolution	0.1°C
Temperature accuracy	± 0.5 at 50°C, ± 1.0 at 100°C, ± 2.5 at 360°C
Display	40 x 4 LCD
Ramp rates	0.5-10°C in 0.1°C increments
Temperature sensor	PT1000 Platinum resistance
Memory	7 results per tube
Accessory printer available	Yes
Datetime display	Yes
Cool down time 350-50°C	~ 10 mins
Heat up time 50-350°C	~ 6 mins
Electrical supply	120V,230V, 50Hz
Language variants	English, German, French, Italian, Spanish
Temperature units	°C
Size (h x d x w)	325 x 200 x 170mm
Net Weight	3.6kg