

# Melting Point Apparatus

## Melting point apparatus, advanced, SMP30

- Maximum temperature 400°C
- Patented head up display
- Integrated cooling 350°C to 50°C in 12 minutes
- Large easy to read user friendly interface

The SMP30 can take three samples simultaneously within the optimised heating block with a maximum temperature of 400°C. 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. It is possible to record up to 8 events in memory for each of the three sample tubes.

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.

To allow the most comfortable viewing angle the SMP30 features a two stage head adjustment. 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.

### Technical specification

	SMP30
Number 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
Temperature sensor	PT1000 Platinum resistance
Memory	8 results per tube
Accessory printer available	Yes
Date/time display	Yes
Cool down time 350-50°C	~12 mins
Heat up time 50-350°C	~ 6 mins
Electrical supply	120V / 230V, 50-60Hz,
Language variants	English, German, French, Italian
Temperature units	°C
Dimensions, mm (w x d x h)	325 x 200 x 170
Net weight, kg	3.6
IP Rating	30

### Ordering information

Model	Description
SMP30	Melting point apparatus, complete with pack of 100 melting point tubes, sealed at one end.
SMP10/1	Glass melting point tubes, sealed at one end, pack of 100
SMP30/1	Accessory printer with power supply



SMP30



SMP30



Head up display as seen through viewfinder