

Melting Point Apparatus

Melting point apparatus, analogue, SMP11

- Easy to operate - ideal for educational use
- Supplied with safe spirit filled thermometer
- Economical price

With new safety features and easy to use, the SMP11 is ideal for use in education. Supplied with a safe, spirit filled mercury free thermometer, the low toxic blue spirit will not pose a health hazard in the event of a breakage. Easy to follow instructions are printed directly on to the apparatus and are available in most European languages.

With a manually adjustable heating rate, the SMP11 will rapidly heat samples up to 20°C per minute to the melt temperature and up to the maximum temperature of 250°C. Accurate readings to within 1°C of the melt temperature can be achieved by using a slower heating rate of between 1 and 10°C per minute.

Up to three samples can be viewed and tested at any one time. Samples are illuminated by a bright white LED and viewed via a magnifying lens. The magnifying lens can be detached for cleaning using the simple to follow instructions printed on to the instrument.

Technical Specification

	SMP11
Number of samples	Up to 3
Temperature range	50°C to 250°C
Heating rate	1 to 10°C per minute
Dimensions, mm (w x d x h)	370 x 140 x 110
Net weight, kg	1.7
Electrical supply	230V, 50Hz, 50W
IP Rating	40

Ordering Information

Model	Description
SMP11	Melting point apparatus, complete with thermometer and pack of 100 melting point tubes (open both ends)
SMP11/1	Spare thermometer, spirit filled, 0°C to 250°C
SMP1/2	Cooling plug (brass) for rapidly reducing heating block temperature after use

Melting point tubes

Made from soda glass, these tubes are easy to seal in a Bunsen flame and break into two. Supplied in robust tube holder, pack of 100 tubes. Tube overall length is 100mm Tube diameter = 1.9mm, inner diameter = 1.3mm and wall thickness = 0.3mm.

Ordering information

Model	Tube type
SMP1/4	Open both ends
SMP2/1	Sealed both ends
SMP10/1	Sealed at one end



SMP11

