

# 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

