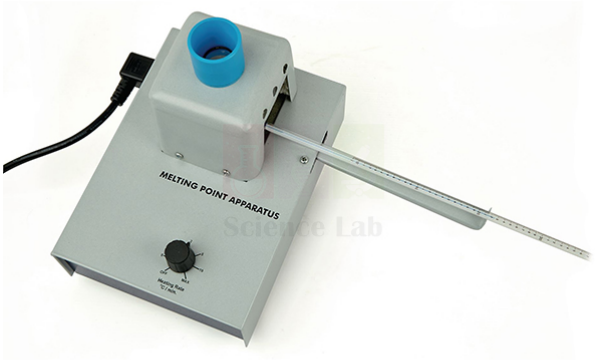
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Analogue Melting Point

Product Code :

SLE/ME/46



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Analogue Melting Point (Product Code: SLE/ME/46) is a knob-controlled melting pointapparatus used to observe and determine the melting temperature of solid samples in chemistryand pharmacy teaching laboratories. Its dual heating block takes up to two samples at once,working from ambient to 380 °C at a heating rate set on a rotary knob up to 20 °C/min, while amagnifying eyepiece lit by a white LED shows the melt clearly. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a chemistry lab instruments supplier.

Specifications

Parameter	Detail
Samples	Up to two at a time (dual heating block)
Operating range	Ambient temperature to 380 °C
Heating rate	Adjustable with a rotary knob, up to a maximum of 20 °C/min
User interface	Rotary knob
Temperature unit	°C
Sample viewing	Magnifying lens in the eyepiece, illuminated by a bright white LED
Electrical supply	230V, 50Hz, 50W
Cabinet dimensions	W185 × D220 × H176 mm
Net weight	1.2 kg
Product code	SLE/ME/46
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Analogue Melting Point Apparatus Used For?

With two sample positions, this apparatus is well suited to the mixed melting point test taught in organic chemistry: one tube holds the unknown and the other holds the unknown mixed with a known reference compound. If both melt at the same temperature, the identity is supported; a lower, broader melt in the mixture shows they differ. Pharmacy students use the same side-by-side comparison to check the purity of recrystallised drug substances.

For good results, turn the knob to a faster rate to approach the expected melting point, then reduce the heating rate so the last few degrees rise slowly, and watch both samples through the illuminated eyepiece. Allow the block to cool before loading the next pair of tubes, and keep the eyepiece clean so the melt is easy to judge.

What to Specify When Ordering

- Confirm that your laboratory supply matches 230V, 50Hz.
- Quantity of melting-point capillary tubes to be quoted with the apparatus.
- Number of units needed per laboratory or practical group

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Email : sales@scilabexport.com
Phone: +91-7082934803