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

Product Name :

Automatic Melting Point Apparatus

Product Code :

SLE/LI/04



Description :

Automatic Melting Point Apparatus (Product Code: SLE/LI/04) is a fully automatic instrument used to determine the melting point of solid organic and pharmaceutical samples in chemistry, pharmacy and quality-control laboratories. It covers 40 °C to 350 °C with 1 °C readability, needs no silicone oil or other heating media, and shows the result on a bright 3½ digit LED display. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Range	40 °C to 350 °C
Readability	1 °C
Accuracy	1%
Operation	Fully automatic
Display	Digital 3½ digit bright LED on the front panel, showing the melting point
Heating medium	No silicone oil or heating media required
Furnace control	Automatic furnace cut-off with audio and visual indication
Power	230 V ± 10%, 50 Hz
Accessories	Capillary tubes (100 nos), cleaning tool (1 no.)
Dimensions	L 405 x B 360 x H 235 mm (approx.)
Weight	5 kg (approx.)
Product code	SLE/LI/04
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is an Automatic Melting Point Apparatus Used For?

A pure crystalline compound melts sharply at a characteristic temperature, while impurities lower and broaden the melting range, so melting point is a quick check of identity and purity. Chemistry students use it after recrystallisation, synthesis labs use it to confirm products, and pharmacy colleges and quality-control teams use it among their pharma testing instruments to screen raw materials.

Dry the sample and grind it to a fine powder, then pack a short, firm column into a capillary tube by tapping it gently. Because the apparatus heats without an oil bath, there is no oil to spill, smoke or replace. Let the furnace cool after the cut-off signal before the next run, and use the cleaning tool to keep the sample block clear.

Wha