



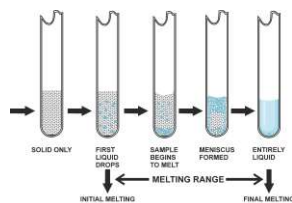
Microprocessor Melting Point Apparatus SIPL973

The instrument basically consists of a Miniature Furnace with Automatic Ramp Rate of Heating, Microprocessor Controlled, Visual facility is provided through Magnifying display of melting operation under front & rear illumination controlled (Light intensity adjustable) with the help of magnifying glass. Melting point reading put on hold as soon as the melting of sample visualize, by activating to press the “MELT” key. The instrument gives audio & visual indications & reading is protected from power failure till “RESET” is not activated. The Furnace becomes off and the cooling fan ON automatically. Melting Temperature of the sample remains displayed on the panel till the “RESET” switch is operated. Suitable for Dark

Coloured / all kind or any coloured Samples. Temp. Effect on viscosity / flow points and Molecular weights by Rast’s method with suitable accessories can be measured.

Note:- Suitable for any / Dark

Colored samples Useful for
Pharmaceutical industries,
Chemical/ Plastic Molding
Industries Etc.



Technical Specifications:

MODEL	SIPL973
Temp. Range	Ambient to 350°C
Display	3 Digits LED
Resolution	1°C
Temp. Sensor	Grade “A” PT-100, Platinum Sensor
Sample Capacity	3+1 provision for Samples (one 6mm) Test Tube, for the determination of Boiling Point & Melting Point.
Application Area	Miniature Furnace Module
Application	Suitable for Boiling & Melting Point
Melting View	Front & Rear Glare-free illumination and Large Magnifier for Stain free Observation of melting operation, Melting / Boiling point reading is to be hold on by activating the “HOLD” key & reading is protected from power failure till “RESET” is not activated.
Heating Control	Microprocessor controlled closed loop PID, Automatic Ramp Rate of Heating
Ramp Rates	2°C to 10°C/minute (Selectable Auto-Low-High),
Power Supply	230 V $\pm$ 10% AC, 50 Hz.
Dimension, Weight	270X330X160 mm (LXBXH), 8.5 KG
Accessories	Melting/Boiling Tube-05 pcs, 25mm capillaries- 100 pcs, Cleaning Wire, Main lead

Microprocessor Melting Point Apparatus SIPL9740

The instrument basically consists of a Miniature Furnace with Automatic Ramp Rate of Heating, Microprocessor Controlled Visual facility is provided through Magnifying display of melting operation under front & rear illumination controlled (Light intensity adjustable) with the help of magnifying glass. Melting point reading put on hold as soon as the melting of sample visualize, by activating to press the “MELT” key. The instrument gives audio & visual indications & reading is protected from power failure till “RESET” is not activated. The Furnace becomes off and the cooling fan ON automatically. Melting Temperature of the sample remains displayed on the panel till the “RESET” switch is operated. Suitable for Dark Coloured / all kind or any coloured Samples. Temp. effect on viscosity / flow points and molecular weights by Rast’s method with suitable accessories can be measured.



Technical Specifications:

Model	SIPL9740
Temp. Range	Ambient to 350°C
Display	128 X 64 Graphical LCD
TFT Screen	High Resolution Camera for viewing capillaries
Resolution	0.1°C
Temp. Sensor	Grade “A” PT-100, Platinum Sensor
Sample Capacity	3+1 Samples (one 6mm provision) Test Tube, for the determination of Boiling Point of Any Liquid.
Application Area	Miniature Furnace Module
Application	Suitable for Boiling & Melting Point
Temp. Control & Ramp Rate Heating	Microprocessor controlled closed loop PID, Auto/ Adjustable Ramp Rate Heating 2°C to 10°C/minute by UP/ DOWN keys, can be increased or decreased during running / operation
Melting View	Front & Rear Glare-free illumination and Large Magnifier for Stain free Observation of melting operation, Melting / Boiling point reading is to be hold on by activating the “HOLD” key & reading is protected from power failure till “RESET” is not activated
PC Interface	USB to PC
Power Supply	230 V ± 10% AC, 50 Hz.
Dimension	270X330X160 mm (LXBXH)
Weight	8.5 KG
Accessories	TFT Screen, Melting Tubes- 100 pcs, boiling Tubes- 05 Nos., Cleaning Wires, USB Data Cable, Software CD, Main Lead, Instruction Manual.



Microprocessor Melting Point Apparatus SIPL975/ SIPL9750

The Instrument basically consists of a Miniature Furnace with Automatic Ramp Rate of Heating, Microprocessor Controlled, when "Start" key is pressed, heating starts. There is Auto detection of Opto-coupled Infra-Red transmission system, when sample melts, photodiode detects the signal and Melting Temperature put on hold / latched on display automatically. The Furnace becomes off and the cooling fan ON automatically. The instrument gives audio & visual indications, on reaching the temperature at which the sample melts.

Opto-coupled I.R. Transmission based. Only Crystalline sample (Sample required to be transparent at the time of melting, not Suitable for Dark Colored Samples).

Technical Specifications: -

The Melting Temp. of the sample remain displayed on the panel till the "RESET" switch is operated.

OPERATION:

Fully Automatic "Sample Fill and Forget": All the selection of programming is fully protected from power failure including "HOLD" action of melting temperature.

Once the start action is initiated, it will reach to find out the melting point

Model	SIPL975	SIPL9750
Temp. Range	Ambient to 350°C	Ambient to 350°C
Display	3 Digits LED	128X64 graphical LCD
Resolution	1°C	0.1°C
Temp. Sensor	Grade "A" PT-100, Platinum Sensor	Grade "A" PT-100, Platinum Sensor
Sample Capacity	One Sample, Capillary Dimension 1.4 mm	One Sample, Capillary Dimension 1.4 mm
Heating Area	Miniature Furnace Module	Miniature Furnace Module
Application	Suitable for Melting Point only	Suitable for Melting Point only
Temp. Control / Ramp Rates	Microprocessor controlled closed loop PID, Auto Ramp Rate Heating 2°C to 10°C/minute (through selection, Low- Auto-High)	Microprocessor controlled closed loop PID, Auto Ramp Rate Heating 2°C to 10°C/minute by UP/DOWN keys, can be increased or decreased during running/ operation.
PC Interface		USB to PC
Operation	Auto determination of Melting Point	Auto determination of Melting Point for all 3 samples separately
Power Supply	230 V ± 10% AC, 50 Hz.	230 V ± 10% AC, 50 Hz.
Dimension:	270X330X145 mm (LXBXH)	270X330X145 mm (LXBXH)
Weight	8 KG	8 KG

of sample, even multiple time power failure.

Microprocessor Melting Point Apparatus SIPL972

Automatic Ramp Rate Heating. The unit consists of in-built Motorized stirrer with variable speed control, glare free background illuminator and cylindrical silicon oil bath. The silicon oil bath consists of a plain cylindrical container of toughened glass having capacity of about 200 ml. It is top covered with a Teflon cover fitted with special type of oil immersion heater, having three small holes for holding the capillaries and 6mm hole for Test tube Sample, for the determination of boiling point of any liquid. The apparatus can be used for determination of boiling points, Temp. effect on viscosity / flow points and molecular weights by Rast's method with suitable accessories.

Note: - Suitable for Dark Colored / any colored sample

Technical Specifications:



Model	SIPL972
Temp. Range	Ambient to 275°C
Display	3-digit LED
Resolution	1°C
Temp. Sensor	Grade "A" PT-100, Platinum Sensor
Sample Capacity	3+1 provision for Samples (one 6mm) Test Tube, for the determination of Boiling Point & Melting Point.
Application Area	Silicon Oil Bath (Made of High Temp. Toughened Glass)
Motorized Stirring	A high-quality Motorized Stirring instead of Magnetic Stirring (due to De-magnetization of Magnetic Bead in high Temp. Oil) for uniform Temp.
Application	Suitable for Boiling & Melting Point
Melting View	Glare-free illumination and Large Magnifier for Stain free, observation of melting operation, Melting / Boiling point, reading is to be hold on by activating the "HOLD" key & reading is protected from power failure till "RESET" is not activated
Temperature Control	Microprocessor controlled closed loop PID, Automatic Ramp Rate of Heating.
Ramp Rates	Auto Adjustable 2°C to 10°C/minute, (through selection, Low- Auto-High)
Power Supply	230 V ± 10% AC, 50 Hz.
Dimension	270X330X170 mm (LXBXH)