

POLMON INSTRUMENTS PVT LTD



MELTING - POINT APPARATUS

Model No: MP - 96

MP – 96 Digital Melting Point Apparatus is an ideal tool for determining the characteristics/purity of materials based on Melting Point.

Microprocessor based temperature control and inbuilt memory to store readings makes MP – 96, ideal for accurate measurement.



Sample heating is carried out in a bath provided with silicon oil. The bath heater has a cut-off of 345 °C for safety. Shaft stirring mechanism gives homogeneous bath temperature. The bath can hold three samples of 2 mm diameter tube and a 10 mm hole for glass thermometer standardization. Adjustable magnifying lens permits clear viewing.

Features :

- Microprocessor Based
- Digital Display
- Memory to store melting range
- Heater safety cut-off at 345 °C
- Programmable rate of heating

- Auto heater cut-off
- Battery backup
- FRP Body
- Cost effective

Specifications :

- a. Melt Sping point : 25°C to 350°C Range
- b. Resolution : 0.1°C.
- c. Accuracy : $\pm 0.1^\circ$
- d. CPU : 8031 Processor.
- e. Linearisation : By software.
- f. Display : 4 digit, 1/2 " Seven Segment
High intensity red LED.
- g. Memory to store Melting Range : 1). Initial Melting Temperature with LED indication.
2). Final Melting Temperature with LED indication.
- h. Sensor : R T D (Pt 100).
- i. Heater Controls : 1). Adjustable Set Temperature for fast heating.
2). Adjustable slow heating from 0°C /Min. to 5°C /Min.
3). Auto cutoff after storing final melting temperature.
- j. Safety cutoff : At 350°C.
- k. Heater power supply : 50 V AC.
- l. Stirrer Assembly : AC Motor with Shaft assembly for homogeneous bath temperature.
- m. Heating Bath : Liquid bath (Silicon Oil of 350°C).
- n. Endosure : Fibre Reinforced Plastic Body (FRP)
- o. Power : 220 V AC, 50 Hz.
- p. Dimensions : 260 X 220 X 280 mm
- q. Weight : 7 Kgs (Including Transformer Box).

Standard Accessories :

- a) 165 ml Silicon Oil.
- b) 250 ml Beaker.
- c) 2 mm dia capillaries.

Ordering Information :

S.No	Description	Code
1	Melting point apparatus	MP - 96
2	ATC Probe (MP 96 Sensor)	ATC - 11

POLMON INSTRUMENTS PVT.LTD

"POLMON HOUSE", NIZANPET ROAD, KUKATPALLY,
HYDERABAD - 500072 INDIA

PH : 040 2305 3046 , 7308 , 5970 , 7642

Fax : 040 2305 5425

E-mail: info@polmon.com

www.polmon.com