

MICROPROCESSOR BASED MELTING POINT APPARATUS

Model No: MP – 96

***** Only one Digital Apparatus**



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. Melting point Range : 25°C to 345°C Range
b. Resolution : 0.1°C.
c. Accuracy : ± 0.1% of FSR
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 345°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. Enclosure : Fiber 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:

- 165 ml Silicon Oil.
- 250 ml Beaker
- 2 mm dia capillaries.
- Instruction Manual

Applications:-

The Apparatus is an ideal tool for determining the characteristics/purity of materials based on Melting point.

Ordering Information:

S.No	Description	Code
1	Melting point apparatus	MP96-X

For Further Information Contact:

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