

Microprocessor based Melting point Apparatus

MP-96



MP – 96 Digital Melting Point Apparatus is an ideal instrument 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

- Determines Melting Point and Melting Range
- High Intensity 0.5", 4 Digit Display
- Memory to store melting range (T1&T2)
- Heater safety cut-off at 345°C
- Programmable rate of heating
- FRP Body
- Liquid bath for uniform temperature
- Auto heater cut-off

Applications

- Pharmaceutical industries
- Chemical industries

Specifications

Technical

Model No	MP96-X
Melting point Range	25°C to 345°C
Resolution	0.1°C
Accuracy	±0.1% of FSR
Linearization	By software
Display	0.5" 4 digit seven segment LED Display
Memory to store Melting Range	Initial Melting Temperature with LED indication Final Melting Temperature with LED indication
Sensor	RTD (Pt 100)
Heater Controls	Adjustable Set Temperature for fast heating Adjustable Slow heating from 0°C/Min to 5°C/Min Auto cutoff after storing final Melting Temperature
Safety cutoff	345°C
Heating Bath	Liquid bath (Silicon Oil of 350°C)

Power Supply

Input Supply	220 VAC, 50 Hz
Heater power supply	50V AC

Physical

Enclosure	Fiber Reinforced Plastic Body(FRP)
Dimensions	260 X 220 X280 mm
Stirrer Assembly	AC Motor with Shaft assembly for homogeneous bath temperature
Weight	7 Kgs (Including Transformer Box)

Environmental

Operating Temperature	10 to 50°C
Humidity	10-95%RH, Non-Condensing

Ordering Information for MP-96

<i>Model No.</i>	<i>Future Use</i>
MP96	X

Note: Includes ATC25-11

Ordering Information for ATC25

<i>Model No.</i>	<i>Probe type</i>
ATC25	11 – MP96 sensor