

Melting Point Apparatus

DESCRIPTION:

Melting Point Apparatus with TFT display & 4 digit LED display is designed for accurate measurement of melting points and for checking the melting range of the solid sample. The apparatus consists of a silicon oil-bath of checking the melting range of the solid samples. The apparatus consist of silicon oil-bath of about 200 ml capacity, covered with a teflon cover with 5 holes, fitted with a special type of oil immersion heater and having three holes for holding the capillaries, one for boiling point tube and one for the thermometer. It is supplied with high resolution camera & TFT display screen to view sample in capillaries. The apparatus consists of an in-built magnetic stirrer, an electronics controller with indicator for precisely adjusting the rate of heating of silicon oil-bath an ON/OFF switch, a pilot lamp, a magnifier, glare free background illuminator and a High/Low range temperature selector switch and digital temperature indicator with RS-100 RTD sensor.

The 'Start' switch is used to start the measurement of melting point. User can stop the process of measurement using 'Stop' switch after the instrument reaches the melting point of the sample. The display will always show the last temperature where 'Stop' switch was pressed in last.



ADVANTAGES:

- TFT Display of Capillary View with High Resolution Viewing Camera
- Extremely Useful for Pharmaceutical Industry
- Highly Accurate & Easy to Operate
- 4 Digit Seven Segment Red LED Display
- Digital Resolution for Temperature 0.1°C
- Silicon oil-bath and in-built magnetic stirrer for uniform heating

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Specifications

Temperature°C	0-300°C on a 4 digit LED display
Display	TFT screen with high resolution camera for viewing capillaries & Temperature in 7 segment 4digit LED display
Resolution	0.1°C in model 2935,935 or 1°C in model 934
Capillary Glass Tube	75mm long, 0.8 to 1.1 mm internal diameter
Boiling Point Tube	Glass Tube 6 x 75 mm Long
Amount of Sample	Fine powder properly dried at a temperature considerably below its melting point, 4 to 6 mm high
Oil-Bath	Silicon oil bath beaker - 200 ml capacity with teflon cover fitted with oil immersion heater. It is having three holes for holding the capillaries, one for boiling point tube and one for thermometer
Stirrer Speed	Controllable with front knob
Power	230V ±10% AC, 50 Hz
Dimension	370 x 290 x 290mm (lxbxh) (Approx)
Weight	12 Kgs. (Approx)
Accessories	<ul style="list-style-type: none"> • TFT Display Screen & High Resolution Camera • Box of Capillaries • Glass Tubes for Liquid Sample (6 x 75 mm) - 2Nos. • Magnetic Capsule • Bottle of Silicon Oil - 250 ml • Glass Cylindrical Beaker with Teflon cover fitted with immersion heater Instruction Manual • Dust Cover

Website

