

Product Name :
Digital Melting Point Apparatus

Product Code :
ELABANALYTICAL0028



Description :

Digital Melting Point Apparatus

Technical Specification :

Extremely Useful for Pharmaceutical Industry
Highly Accurate & Easy to Operate
4 Digit 7-Segment LED Display
Digital Readout for Temperature 0.1 °C
Silicon Oil-Bath and In-built Magnetic Stirrer for Uniform Heating
Glare-free Illuminator and Large Magnifier for Stainfree Observation

Melting Point Apparatus with 4 digit, 7-Segment LED display is designed for accurate measurement of melting points and for checking the melting range of the solid samples.

The apparatus consists of a silicon bath of about 200 ml capacity, covered with PTFE cover with 3 holes fitted, with a special type of oil immersion heater having three holes for holding the capillaries, one for boiling point tube and one for the thermometer.

The apparatus consists of in-built magnetic stirrer, an electronic controller with indicator for precisely adjusting the rate of heating of silicon oil-bath, an ON/OFF switch, a pilot lamp, with magnifier, a glare free background illuminator, a High/Low range temperature selector switch and digital temperature indicator with RTD sensor

The 'Start' switch is used to start the measurement of melting point.

User can stop the measurement using the 'Stop' switch after the instrument reaches the melting point of the sample.

The display will always show the last temperature where 'Stop' switch pressed in the last measurement.

Clear switch is used to clear the display to zero.

Capillary Glass Tubes: 12 mm long, 0.8 - 1.1 mm internal diameter

Boiling Point Glass Tubes: 75 mm long glass tube

Sample Amount: Fine powder properly dried at a temperature considerably below its melting point 4 - 6 mm high

Oil-Bath: Silicon oil-bath beaker 200 ml capacity with Ptfе cover fitted with oil immersion heater.

It has three holes for holding the capillaries, boiling point tube and thermometer

Stirrer Speed: Controllable with front knob

Power: 230 V \pm 10%, 50 Hz. AC

Accessories: Box of Capillaries, Boiling Point Tubes - 2 Set, Thermometer with Range 0 - 360 °C, Magnetic Capsule, Bottle of Silicon Oil, Glass Cylindrical Beaker with Ptfе cover for beaker fitted with immersion heater, Operation Manual, Dust Cover

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