Microcontroller Visual Melting Point Apparatus

3935

Advantages

- Graphical LCD display, colored TFT screen with high resolution Camera
- Extremely Useful for Pharmaceutical Industry
- Highly Accurate and Easy to Operate
- Digital Resolution for Temperature 0.1°C
- Silicon Oil Bath and in-built Magnetic stirrer for uniform heating
- 3 Tire Password Protection Facility (Admin, Supervisor and User)
- Storage Facility for : 100 Setups , 99 different test setups programmable by user
  Results   : up to 300 last results
- Online/Offline Printing facility with real time and date
- User selectable Ramp Rate and Plateau Rate
- Facility for unknown/new product evaluation by Rapid Melt Method
- Up to 5 Point Temperature Calibration using Point to Point or Polynomial Method
- Validation Available as per Pharma Compliance

1 Year Warranty

Microcontroller Visual Melting Point Apparatus Model 3935 with Graphical LCD display and colored TFT screen and high resolution camera. It is designed for accurate measurement of melting points and for checking the melting range of the solid samples. The apparatus consists of a 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.

The plateau temperature and the heating ramp rates are fully programmable using 'Plateau'/ 'Ramp'. The plateau temperature allows the user to set a temperature to few degrees below the expected melting point temperature. Auto melting point apparatus will then heat to the programmed plateau temperature very rapidly. Once plateau temperature is reached the instrument will heat slowly from the plateau temperature until the powder melts on programmed ramp rate.

A high resolution camera detects the sample status. This makes it a user friendly instrument.

ESICO INTERNATIONAL
AN ISO 9001 - 2015 CERTIFIED CO.

Technical Data

Model	3935
Temperature Range	Ambient temperature to 300 ℃
Temperature Sensor	PT 100
Temperature Resolution	0.1 ℃
Capillary Glass Tubes	75 mm
Ramp Rate	Programmable at scale of 1 – 10
Amount of Sample	Fine powder properly dried at a temperature considerably below its melting point, 4 to 6 mm high
Plateau Temperature	Programmable
Key Board	20 keys - soft touch membrane type
Heater	Immersion type
Storage	Setup Data : 100 Setups , 99 different test setups programmable by user Results : up to 300 last results
Display	240 x 128 pixels Resolution 7" Graphical LCD Display
Clock	In-built clock with date & time display
Stirrer	In-built magnetic stirrer with adjustable speed
Printer/PC Interface	Through RS232 for serial printing using 40/80 column dot matrix printer
Power	230 ± 10 % VAC, 50 Hz
Dimensions	375 x 300 x 330 mm (L X B X H) Aprrox.
Weight	12 Kg. (Approx.)
Accessories	Box of Capillaries (set of 100), Glass Tubes for Liquid Sample (6x75 mm),Magnetic Capsule, Bottle of silicon oil (250 ml), Glass Cylindrical Beaker and Teflon Cover for beaker fitted with immersion heater, Coloured TFT Monitor, High resolution camera (In built), Instruction Manual

Note : Specification are subject to change due to continuous development

Product Range

Single Beam and Double Beam UV/VIS Spectrophotometer, Tablet Dissolution Test Apparatus, Disintegration Apparatus, Digital Friability Test Apparatus , Melting Point Apparatus, Antibiotic Zone Reader, Leak Test Apparatus, Tap Density Tester, Flame Photometers, Hardness Tester, Haemoglobin meter, Digital pH Meter, Digital Photo Fluorometer, Digital Conductivity, Turbidity Meter, Auto KF Titrimeter, Digital DO Meter, Digital Conductivity Meter, Digital TDS Meter, Digital Telethermometer, Water & Soil Analysis Kit, Digital Salinity Meter, Digital Colony Counter.

ESICO INTERNATIONAL
AN ISO 9001 - 2015 CERTIFIED CO.