



This compact, feature rich & portable scientific instrument provides a visual means of determining the melting points of solid samples in laboratories with good accuracy. A user interface consisting of a 16 x 2 backlit alphanumeric LCD and a 6 key, membrane keypad allows selection, control and display of temperature digitally. User can select to display the temperature in °C, °F or K scales. The LCD runs the menu system that directs the user to set options for controlling the melting process.

The apparatus is designed to measure and record the temperatures of crystalline samples held within capillary tubes. Up to two tubes are accommodated simultaneously in an illuminated slot within the heater block. The tubes are viewed through the plastic eye piece fitted with a magnifying lens allowing clear examination of the melt. The extendable feet provides better ergonomics while viewing through the eye piece.

User selectable plateau temperature allows the heating process to be left unattended till the sample achieves the plateau adding a lot of flexibility to the user. A buzzer beep indicates that the plateau has been achieved. The user can then start heating the sample further at a rate between 1°C/min to a maximum of 10°C/min. The maximum temperature achievable is set to 400°C. Up to a maximum of two melting points can be recorded by pressing the menu button which can be viewed later in the menu list. Other major feature includes indication in case of temperature sensor disconnection.

Ease of operation with no compromise in safety and accuracy makes it a crucial bench top tool in laboratories for R&D and educational uses. Accurate melting points of solid samples can be measured to understand their behavior and application, as well as ensuring their quality and safe use.

- Simple to operate & durable with long service life.
- User selectable temperature scale °C, °F, K.
- Operating range up to 400°C, 753°F, 674K.
- User Selectable plateau temperature giving great flexibility to user.
- Ramp rates are user selectable from 0°C/min to 10°C/min, 1°F/min to 10°F/min, 1K/min to 10K/min.
- Up to 2 samples can be inserted for melting point measurement simultaneously.
- Temperature display on Alpha-Numeric LCD (16 x 2).
- Temperature Display Resolution : 0.1°C / 0.1°F / 0.1K.
- All controls via a membrane keypad.
- Buzzer ON/OFF & LCD ON/OFF user settable.
- Automatic detection and indication in case of temperature sensor disconnection.
- Extendable feet add to ergonomics.
- Software tuned for accurate heating control.
- Designed with safety, accuracy and ease of operation in mind making it ideal for use in education.
- Calibration Menu Included.
- CE compliant

SPECIFICATIONS

Number of Samples	2.
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User Interface	16 x 2 Alphanumeric LCD & membrane Keypad (2 x 3).
Temperature Unit	°C, °F, K.
Temperature Resolution	0.1°C, 0.1°F, 0.1K.
Operating Range	Ambient temperature to 400°C, 752°F, 673K.
Plateau Temperature	Above ambient temperature to 399°C, 751°F, 672K.
Ramp Rates	20°C/min till plateau, 0°C/min to 10°C/min, 1°F/min to 10°F/min, 1K/min to 10K/min.
Electrical Supply	230V, 50Hz, 65W.
Cabinet Dimensions	185 (W) x 220 (D) x 176 (H) mm.
Net Weight	1.4 Kg.

WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENTS AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGE D WITHOUT NOTICE.



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