ADVANCE SCIENCE

INNOVATION | PRECISION | PERFORMANCE

MICROCONTROLLER BASED MELTING AND BOILING POINT APPARATUS

MODEL NO. AS-MBP-34

Advance Science Microcontroller Based Melting and Boiling Point Apparatus is a precise and reliable instrument designed for accurate determination of melting and boiling points of solid samples. It features an integrated heating system with magnetic stirrer and a user-friendly digital control for stable and consistent performance in laboratories.



- ACCURATE TEMPERATURE CONTROL
- BUILT-IN MAGNETIC STIRRER
- DUAL MELTING & BOILING POINT DISPLAY
- SOFT TOUCH KEYPAD
- DIGITAL LCD DISPLAY
- RELIABLE & STURDY DESIGN

TECHNICAL SPECIFICATIONS

Parameter	Specification
Keypad Material	Membrane waterproof polycarbonate soft touch keypad
Temperature Sensor	PT-100
Readability	0.1 degree Celsius
Magnetic Stirrer	Built-in (with soft touch keyspeed controller)
Heating Before Set Point (EMP)*	Automatic heating (depending upon temperature difference)
Temperature Range	5 degree Celsius
Heating After Set Point (EMP)* (approx.) (degree Celsius per minute)	1.0
Restore Factory Set Calibration Data	Yes
Display	16 x 2 Line Alphanumeric Backlit LCD
Temperature Calibration	Temperature indicator
Display of Melting Range	Melting Point 1 and Melting Point 2 (simultaneous)

KEY FEATURES

- Microcontroller based precise temperature control.
- Membrane waterproof polycarbonate soft touch keypad.
- PT-100 temperature sensor for high accuracy.
- Built-in magnetic stirrer with keyspeed controller.
- Automatic heating before set point (EMP) for quick and efficient operation.
- Simultaneous display of Melting Point 1 and Melting Point 2.
- 16 x 2 line alphanumeric backlit LCD display.
- Easy calibration and factory reset option.
- Stable and reliable performance.

APPLICATIONS

- Pharmaceutical Industry
- Drug Analysis and Quality Control
- Chemical Industry
- Material Research
- Academic Institutions
- R&D Applications
- Research Laboratories
- Educational Laboratories

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