



KLABS KMMBPA-01 Microprocessor Melting Boiling Points Apparatus



Graphical LCD

Product Description

The KLABS KMMBPA-01 Microprocessor Melting Boiling Points Apparatus is a precision laboratory instrument designed for accurate determination of melting and boiling points. It features a graphical LCD display, microprocessor-based control, multiple heating modes, and USB connectivity for efficient laboratory testing.

Features

- Microprocessor Based
- User Friendly and Menu Driven Software
- 128×64 Graphical LCD
- Two point temperature calibration
- Sample detection indication on LCD screen
- Three heating modes (Rapid, Normal & Slow)
- Displays heating mode with temperature during sample reading
- Sample Hold Facility
- USB Interface
- USB Port for PC interfacing
- Stores up to 1000 sample records
- Compact and space-saving design



LCD
DISPLAY



SOFTWARE
CONTROL SYS.



ACCURATE
& STABLE



INBUILT
STIRRER



USB
CONNECTIVITY

Accessories

- | | |
|--------------------|--------------------------------|
| • Operation Manual | • Silicon Oil |
| • Capillary Tubes | • Test Tube for Liquid Samples |
| • Dust Cover | • Glass Beaker |
| • Power Cable | • Software |
| • Stirring Capsule | • USB Cable |

Technical Specifications

Parameter	Specification
Product Name	Microprocessor Melting Boiling Points Apparatus
Model Number	KMMBPA-01
Display	128 × 64 Graphical LCD Display
Temperature	Ambient Temp. to 300°C
Temperature Resolution	0.1°C
Calibration	Using Software
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 and having three holes for holding the capillaries, one for boiling point tube and one for temperature sensor
Power	230 ± 10% VAC, 50 Hz
Storage	1000 Samples result with date, time, sample number and batch number
Data Output	Through USB Port
Sample Display	Facility to display stored sample results
Batch	Facility to enter batch number while storing sample results
Stirrer	ON/OFF using key
Stirrer Speed	Controllable using stirrer keys
Stirrer Indication	Stirrer On icon appears on the screen when the stirrer is ON. When it is off, no icon appears
Modes	Three heating modes - Slow Mode, Normal Mode and Rapid Mode
Sample Type	Selection for samples whose melting point is known or unknown
Dimension	355 × 340 × 285 mm (approx)
Weight	6 kg