

# LT-107 MICROPROCESSOR MELTING BOILING POINTS APPARATUS

## GRAPHICAL LCD

### PRODUCT FEATURES

- ✓ Microprocessor Based
- ✓ User Friendly and Menu Driven Software.
- ✓ 128 x 64 Graphical LCD
- ✓ Two point temperature calibration.
- ✓ Sample detection indication on LCD screen.
- ✓ Three different modes (Rapid, Normal & Slow) for sample testing.
- ✓ Indicate the heating Mode with Temperature while sample Reading
- ✓ Sample Hold Facility
- ✓ USB Interface
- ✓ USB Port for interfacing the system with PC.
- ✓ One can see the stored logs on the system before printing
- ✓ Internal storage capacity of 1000 logs with date and time
- ✓ Compact instrument thereby saving precious space.



### ACCESSORIES

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

### TECHNICAL SPECIFICATIONS

Display	128 x 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 6mm 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 comes Modes Three heating Modes - Slow Mode, Normal Mode and Rapid Mode
Sample Type	Selection for samples whose melting point is known or whose melting point is not known
Dimension	355x340x285mm (approx)
Weight	6kg