

MELTING POINT APPARATUS - MP97

Accurate • Repeatable • Compliant



- Melting Point MP97 aids in the manual (visual) determination of melting point and melting range
- Dual LCD display for real time viewing of sample melting and instrument operation
- Microprocessor based control enables accurate temperature ramping
- Full access to the heating block (solid bath) allows easy cleaning and maintenance
- Automatic test results print out on dot matrix printer

```

19 : 23      082.1 °C
B# : 1 / 10 / A / 11
CH : Vanillin
SP : 077.0 °C RR : 01.0
    
```

- 128*64 backlit graphical LCD
- User selectable ramp rates
- One-shot selection of sample profile for quick start

```

21 / 07 / 15
18 : 20 P 500012A
16 : 15 P 500012B
13 : 30 P 500012A
12 : 25 P 500012C
10 : 35 P 500012A
09 : 00 P 500013A
    
```

- Built in memory to store melting point records
- Up to 50 melting point records can be stored

```

POLMON INSTRUMENTS Pvt Ltd.,
Hyderabad
    
```

Melting point Report

Parameters

```

Batch Number : Test1
Material Name : Acetanilide
Start Temp.  : 110.0°C
Ramp Rate   : 1.6 °C/Min
    
```

```

Onset Temp.  : 114.3°C
Clear Temp.  : 115.7°C
    
```

```

Date(DD/MM/YY): 15/ 2/16
Time(HH:MM)   : 11:11
Last Calib.   : 13/11/13
    
```

```

Serial No.   : 1603002
Model No.    : MP97-X-X
    
```

- RS-232 serial port interface for printer connection

```

Profile
Vanilline
Acetanilide
Benzanilide
Sulfanilamide
Caffeine
Phenolphthalein
1 of 2
    
```

- 12 user programmable profiles with add / edit facility

```

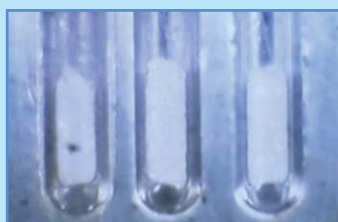
Calibration
No. Of Standards : 04
Vanilline
Acetanilide
Sulfanilamide
Caffeine
    
```

- Fully guided four-point sample calibration

```

Enter Password
    
```

- User rights management



- 4.3" Color TFT LCD for real-time viewing of sample melting



- Ergonomic keypad

SPECIFICATIONS

Melting Capillaries	3
Temperature Range	Room temperature to 400 °C
Ramp Rate	0.1 to 20 °C per minute
Temperature Accuracy	±0.3 °C (up to 200 °C) ±0.4 °C (200.1 to 300.0 °C) ±0.6 °C (300.1 to 400.0 °C)
Temperature Resolution	0.1 °C
Reproducibility	0.3°C
Sample Calibration	Fully guided 4-point calibration
Heat-up Time	~13 minutes (ambient to 350°C)
Cool-down Time	~17 minutes (350°C to 50°C)
Profiles	12 user profiles with add/edit facility
Oven	Solid block
Results Storage	Built-in memory to store 50 melting point reports
Sample Viewing	4.3" Color LCD
Printer	RS-232 Serial port interface
Temperature Sensor	Pt 100(built-in)
Mounting	Table top
Environmental Range	Operation temperature: 5°C to 40°C Storage temperature: 5°C to 40°C Humidity: <80%, non-condensing
Power	110W,230VAC, 50HZ
Dimensions(LXWXH) in CM	27.5 X 35 X 20
Weight in Kg	6
Capillary	Boro silicate tube with one sealed end OD: 1.45mm – 1.49mm ID: 1.2mm Length: 4" Fill height: 3mm to 4mm

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