

Automatic Melting Point Apparatus
Model : μ ThermoCal₁₀₀

Supplied with Melting Capillary one end sealed (Pack of 100 Nos) ,
Power Cord and Operational & Instruction Manual and Warranty Card.

Technical Specification :

Detection Principal : Automatic by photocell

Temperature Range : 5°C Above Ambient to 400°C

Heating Rates : 0.1 to 10.0°C/min (Increment of 0.1°C)

Detection of Melting : a) Melting Point
b) Melting Range
c) % Level of Melting Point between Melting Range

Oven Controller : Microcontroller Based

Temperature Resolution : 1.0 / 0.1 °C - Selectable

Calibration : Multi Point Calibration Standard - as per Pharmacopia OR
Any users known standard.

Max. Heating Time : Less then 10 Minutes from 50°C to 350°C

Max. Cooling Time : Less then 10 Minutes from 350°C to 50°C

Melting Capillary : Three Capillary (Three Channel)

Three different Sample analysis of different temperature in single run.

Accuracy of Temp.: a) Ambient + 10°C to 100°C..... ± 0.2°C.
b) 101°C to 200°C ± 0.4°C.
c) 200°C to 350°C ± 0.5°C.

Sample : Borosilicate Capillary Tube One End Sealed

a) OD : 1.4 to 1.6 mm

b) ID : 1.0mm

c) Length : 100mm

d) Filling Height : 3 mm

Temperature Sensor : PT-100

Data Storage as per GLP : Non Volatile Memory with More than
300 analysis data storage with corresponding calibration data with
Batch / ID Number, Real Date & Time for Validation, Operator Name,
Sample Name, searching of data as per Record Number.

Program Storage : 20 User methods parameter with Add/Edit Facility.

Printer Output : Parallel Port for Dot Matrix Printer Attachment

Computer Interface : Serial Port & USB

RS-232 to USB Interface with Cable & Driver Software to Transfer Data From Inst. to PC

Keyboard : Alphanumeric Polyester Softkeys

Display : 20 x 4 Line Alphanumeric Backlit LCD

Power : 230 VAC ± 10%, 50Hz

Optional

Camera attachment