

Automatic Melting Point Apparatus
Model : μ ThermoCal₅₀

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 before set point : Automatic Temperature Heating depending upon temp. diff.

Heating after Set point : Variable 0.5, 1.0 & 2.0 °C - Selectable

Detection of Melting : a) Melting Point b) Melting Range

Oven Controller : Microcontroller Based

Temperature Resolution : 0.1°C

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 : One Capillary (Single Channel)

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 : Non Volatile Memory with More than 50 analysis
data storage with corresponding calibration data.

Method Storage : Ten User method parameter with Add/Edit Facility.

Printer Output : Parallel Port (Optional)

Keyboard : Alphanumeric Polyester Softkeys

Backlit LCD Display : 20 x 4 Line Alphanumeric

Power : 230 VAC ± 10%, 50Hz

Optional

Camera attachment

Parallel Port for Dot matrix Printer attachment

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