

Automatic Melting Point Apparatus

Model : μ ThermoCal₅₀ & μ ThermoCal₁₀₀



Back Panel View



Optional :

-  IQ/OQ/PQ/DQ Documentation
-  Camera attachment with TFT Display for viewing capillary on screen
-  GMP Model on Request
-  Calibration Certificate with Tracability
-  RS-232 to USB Interface with Cable & Driver Software to Transfer Data From Instrument to PC
-  Calibration Kit (Two standard)

Description	μ ThermoCal ₅₀	μ ThermoCal ₁₀₀
Temperature Control	Microcontroller Based	
Detection Principal	Automatic by photocell	
Display	20 x 4 Line Alphanumeric Backlit LCD	
Temperature Range	5°C Above Ambient to 350°C	5°C Above Ambient to 400°C
Heating Rates after EMP	Variable 1.0, 2.0 & 5.0 °C - Selectable	0.1 to 10.0°C/min (Increment of 0.1°C)
Method Storage	5	11
Detection of Melting		
a) Melting Point	✓	✓
b) Melting Range	✓	✓
c) % Level of Melting Point between Melting Range	X	✓
Temperature Resolution	0.1 °C	
Multi Point Calibration Standard - as per Pharmacopeias OR any users known standard.	✓	✓
Maximum Heating Time	Around 10 Minutes from 50°C to 350°C	
Maximum Cooling Time	Around 10 Minutes from 350°C to 50°C	
Sample Detection	1 Capillary (1 channel)	3 Capillary (3 Channel)
Three different Sample analysis of different temperature in single run.	X	✓
Accuracy of Temperature		
a) Ambient + 10°C to 200°C..... ± 0.2°C.	✓	✓
b) 200°to 350°C ± 0.5°C.	✓	✓
Borosilicate Glass 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 Storage with corresponding calibration data with Batch / ID Number etc.	More than 50 analysis data	More than 300 analysis data
Centronic Parallel Port for Printer Attachment	✓	✓
RS-232 to USB Interface with Cable & Driver Software to Transfer Data From Instrument to PC	Optional	Optional