

# AUTOMATED MELTING POINT APPARATUS MP98




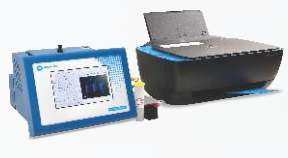
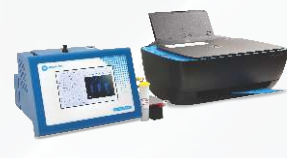
MP98 is specifically designed to automatically identify the melting point range of up to three samples simultaneously. It is independently operational with a colour touch screen, allowing all melting operations and video playback to be performed without the need of an external PC or keyboard.

# SPECIFICATIONS

Melting Capillaries	3
Temperature Range	Room temperature to 400°C
Ramp Rate	0.1° to 20°C per minute
Measurement Accuracy	± 0.3°C (up to 200.0°C) ± 0.4°C (200.1°C to 300.0°C) ± 0.6°C (300.1°C to 400.0°C)
Temperature Resolution	0.1°C
Reproducibility	0.3°C
Sample Calibration	Fully-guided 4 point calibration
Heat-up Time (ambient to 350°C)	~13 minutes
Cool-down Time (350°C to 50°C)	~17 minutes
Profiles	12 profiles with add/edit facility
Oven	Solid block
Result Storage	Stored in internal flash memory
Video	Color AVI + playback on instrument
Reports	Includes USP compliant PDF, video and melting graph
Language	Only English
Temperature Sensor	Pt 100 (built-in)
Mounting	Table top
Environmental Range	Operating temperature: 5°C to 40°C Storage temperature: 5°C to 40°C Humidity: < 80%, non-condensing
Power	125W, 230V, 50 Hz
Dimensions (LxWxH) in cm.	27.5x35x20
Weight in kg.	6.5
Capillary	Borosilicate tube with one end sealed OD: 1.45 mm - 1.49 mm ID: 1.2 mm Length: 4" Fill height: 3 mm to 4 mm

MODEL NUMBER	VARIANTS
MP98	MP98-1-X
MP98	MP98-2-X
MP98	MP98-3-X

## DEDICATED FEATURES

			
SPECIFICATIONS	MP98-1-X	MP98-2-X	MP98-3-X
Number of Users	10 Users + 1 Administrator	10 Users + 1 Administrator	Multiple Users + 1 Administrator
User Right Management	✓	✓	✓
Automatic Melting Point Determination	✓	✓	✓
Manual Melting Point Determination	✓	✓	✓
Result Storage	400 reports	400 reports	Only last analyzed report
Reports	USP compliant PDF, video and melting graph Downloadable to USB drive and accessible over LAN	USP compliant PDF, video and melting graph Downloadable to USB drive and direct print of PDF file from the instrument with dedicated printer	USP compliant PDF, video and melting graph Direct print of PDF file from the instrument with dedicated printer
Interface	Ethernet	Dedicated printer	Dedicated printer
Report Export	Ethernet/USB	USB only	✗
Dimensions (LxWxH) in cm	Instrument: 27.5x35x20	Instrument: 27.5x35x20 Printer: 43.8x55.3x25.6	Instrument: 27.5x35x20 Printer: 43.8x55.3x25.6
Weight in kg.	Instrument: 6.5	Instrument: 6.5 Printer: 4.27	Instrument: 6.5 Printer: 4.27

## ACCESSORIES



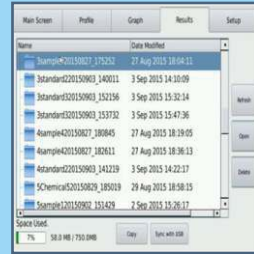
MP98  
Sample  
Gauge



MP98  
Capillaries



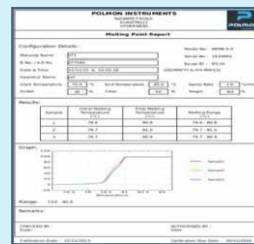
- 7" color VGA touch screen display
- In-built color CMOS camera automatically detects melting point and melting range
- Analyses up to 3 samples simultaneously



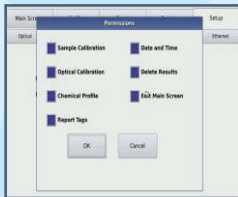
- Up to 400 reports can be stored in the internal flash memory
- PC is not required to monitor the sample melting range
- Reports include PDF, melting video and melting point graph



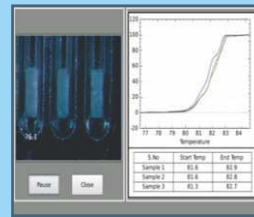
- One shot selection to start experiments using one of the 12 programmable profiles



- Melting point reports are saved in PDF format with user editable report tags



- User rights management



- Video replay function allows the review of melting points of the samples
- Video analysis also allows identifying color changes and decomposition temperatures



- Fully guided four-point sample calibration



- Onscreen keyboard allows quick entry of parameters

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