DMP-400/500
Melting Point Apparatus

◎ Temp. setting and display resolution: 0.1˚C;
◎ Ramping rate to fast stage setting temp.: 20˚C/min;
◎ Slow speed can be set as lowest as 0.1˚C/min;
◎ Calibration capable both chemically or external probe.

Product Description

Heating Control:

Common Features of DMP-400 & DMP-500:

1. Sample chamber accommodates two different sample;

2. Measurement range: room temperature to 300ºC;

3. Temperature setting and display resolution: 0.1 ºC;

4. Ramping rate to fast stage setting temperature: 20 ºC /min;

5. The slow speed can be set as lowest as 0.1 ºC /min;

6. When reaching the fast stage temperature, machine will beep to remind users to continue

the next step Users do not need to keep an eye on the operation;

7. The "Read" button can simultaneously hold the melting reading and heating and easily

differentiate the melting points of the two samples;

8. Calibration capable both chemically or external probe.

Additional Features of DMP-400:

1. Built with internal fan to speed up the cool down process of the machine. The cooling rate is 25 ºC /min;

2. The cooling process is automatically started when the analysis process ended, and the fan will be turned

off when the temperature reaching 5ºC /min below fast stage temperature. It will help users quickly to do the next analysis;

3. Double display in both outside and inside view. It help users frequently prevent frequently switching gaze

between eyepiece and outside LED display;

4. A hand-held "READ" push button helps users to record data quickly without looking for the "READ" button in the fascia;

5. Capable of recording data. Data will be stored permanently until erase;

6. Optional printer can be used for DMP-300. The printer can simultaneously print out the temperature reading with

the date and sample ID when pushing "READ" button.

◎ *Technical Specification of Melting Point Apparatus:*

Model	DMP-400	DMP-500
Temperature range (ºC)	Ambient to 400	Ambient to 350
Cooling Rate (ºC/min)	25ºC/min	No have this function
Inside Block Temperature View	YES	NO
Hand held "READ" push button	YES	NO
Data Recording	YES	NO
Printer Available	YES, optional accessories	NO
Temperature accuracy (ºC)	± 0.5	± 0.5
Display	Four digit LED	Four digit LED
Display resolution (ºC)	0.1	0.1
Readout and temperature hold	Yes	Yes
Calibration Capability	Yes	Yes
Number of samples	3	3
Fast Stage Ramp rate (ºC/min)	20 fixed	
Slow Ramp rates	adjustable between 1 to 10	
Dimensions (w x d x h)	160 x 220 x 170mm	
Net weight	1.8 Kg	
Electrical supply	230V, 50Hz, 75W	

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