

Melting Point Devices HMPD Series



The new upgraded melting point device AE-HMPD200 has a great improvement since it emerged in the market. The machine was designed to have more sophisticated features but costs as the economic one:

- ◆ Sample chamber accommodates two different sample
- ◆ Measurement range: room temperature to 300° C
- ◆ Temperature setting and display resolution: 0.1° C
- ◆ Ramping rate to fast stage setting temperature: 20° C/min
- ◆ The slow speed can be set as lowest as 0.1° C/min
- ◆ Improved light path, brighter and comfortable, no scattering and fuzzy view
- ◆ When reaching the fast stage temperature, temperature is held without overshooting and users can set the fast stage temperature close to melting point to save measurement time
- ◆ 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
- ◆ The "Read" button can simultaneously hold the melting reading and heating and easily differentiate the melting points of the two samples
- ◆ Calibration capable both chemically or external probe

AE-HMPD300 is the upgrade version of AE-HMPD200 and has following more sophisticated features:

- ◆ Built with internal fan to speed up the cool down process of the machine.
 - ◆ The cooling rate is 25° C/min
 - ◆ The cooling process is automatically started when the analysis process ended, and the fan will be turned off when the temperature reaching 5° C below fast stage temperature. It will help users quickly to do the next analysis
 - ◆ Double display in both outside and inside view. It help users frequently prevent frequently switching gaze between eyepiece and outside LED display
 - ◆ A hand-held "READ" push button helps users to record data quickly without looking for the "READ" button in the fascia
 - ◆ Capable of recording data. Data will be stored permanently until erase
- Both devices have tilt rear feet to aid users to have a broader and clearer view

**Technical specification:**

Model	AE-HMPD-100	AE-HMPD200	AE-HMPD300
Temperature range (°C)	Ambient to 300	Ambient to 350	Ambient to 400
Temperature accuracy (°C)	± 0.5	± 0.5	± 0.5
Display	Four digit LED	Four digit LED	Four digit LED
Display resolution (°C)	0.1	0.1	0.1
Readout and temperature hold	Yes	Yes	Yes
Calibration Capability	Yes	Yes	Yes
Number of samples	3	3	3
Fast Stage Ramp rate (°C/min)	20 fixed	20 fixed	20 fixed
Slow Ramp rates (°C/min)	adjustable between 0.2 to 10 at 0.1 (°C/min) interval	adjustable between 0.2 to 10 at 0.1 (°C/min) interval	adjustable between 0.2 to 10 at 0.1 (°C/min) interval
Cooling rate (°C/min)	-	-	25
Inside Block Temperature View	No	No	Yes
Hand held "READ" push button	No	No	Yes
Data Recording	No	No	Yes
Dimensions (w x d x h)	No	160 x 220 x 170mm	160 x 220 x 170mm
Net weight	222*190*200	1.8 Kg	1.8 Kg
Electrical supply	2.5 Kg	120 or 230V, 50Hz, 75W	120 or 230V, 50Hz, 75W

Ordering information:

Part Number	Description
AE-HMPD-01-02	Model AE-HMPD200 Melting Point Device, Digital Readout, 0.1 degree readout resolution
AE-HMPD-01-03	Model AE-HMPD300 Melting Point Device, Digital Readout, 0.1 degree readout resolution, built-in fan for cool down, double display, data recording, hand held "READ" push button
AE-HMPD-02-01	Capillary Tubes, 100/pack