

Small-Sample Closed-Cup Flash Point Tester

What is the **Flash Point**?

Flash Point is the lowest temperature, as measured in the prescribed manner, of the test portion corrected to a barometric pressure of 101,3 kPa, at which application of an ignition source causes the vapour of the test portion to ignite momentarily and the flame to propagate across the surface of the liquid under the specified conditions of test.

BGD 240 Small-Sample Closed-Cup Flash Point Tester is designed according to rapid equilibrium closed cup method. It can rapidly test flash point for paints, including water-borne paints, varnishes, binders for paints and varnishes adhesives, solvents, petroleum, and related products.

It conforms to ISO 3679, ISO 3680, ASTM D 3278, ASTM D3828 etc.

Characters

- ◆ Can detect the flash point at a specific temperature between -35℃ and 105℃ (BGD 240/1) or RT to 300℃ (BGD 240/2) at average rate heating.
- ◆ All functions are achieved through touch screen and digital display.
- ◆ Built in two test procedures: Rapid equilibrium and Non-equilibrium (Fixed value)
- ◆ Various parameters, such as the heating mode, time, temperature and the average rate heating can be set by the user themselves.
- ◆ Planning board action, the decline of the ignition, the detection of flash point is done automatically.
- ◆ The gas ignition sources can be provided directly by the laboratory, you can also use the portable butane gas tank.
- ◆ Built-in cooling module is used to shorten the cooling time between the two tests.
- ◆ Amend barometric pressure automatically



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Ordering Information → Technical Parameters ↓	BGD 240/1 Low Temp. Small-Sample Closed-Cup Flash Point Tester	BGD 240/2 Normal Temp. Small-Sample Closed-Cup Flash Point Tester
Measurement Range	-35℃ ~ 105℃	Room Temp. (RT) ~ 300℃
Tested Flash Point Temperature Accuracy	± 0.5℃ (≤ 100℃) ; ± 2℃ (> 100℃)	
Sample volume	2 mL	2 mL/4 mL
Cooling Method	Built-in cooling module (with external cooling water, flow rate > 1 L/min)	Air-cooled
Heating Rate	User-defined, with a maximum heating rate of 5℃ per minute.	
Output Interface	USB, U Disc	
Operate Temperature	15℃ ~ 35℃	
Power Supply	220/240 V, 50/60 Hz	
Overall Size	460 mm × 330 mm × 350 mm (L × W × H)	
Net Weight	15 Kg	
Come with Accessories	Steam source regulation component, Silicone tube, injector, Thermometer, O-Type Seal Ring (5pcs)	
Optional Accessories	Injector for high viscosity sample, Stand oil of Flash Point, Cooling Water Machine	