

Rapid Closed Cup Flash Point Tester

This rapid closed cup flash point tester is designed for determining the flash point of petroleum products. It is suitable for use with paints, oils, adhesives, solvents, and other materials with flash points between -30 and 50 .



Overview

Rapid Closed Cup Flash Point Tester

This instrument is designed for rapid determination of flash points using the closed cup method, adhering to the GB/T 5208-2008 standard. It utilizes advanced semiconductor refrigeration and external water cooling to achieve rapid cooling rates in a compact form factor. The system automates the testing procedure for increased efficiency, requiring minimal sample volumes of just 2ml for liquids or 4ml for solid/semi-solid samples.

Technical Specifications

Flash Point Detecting Range	-30 to 50
Temperature Control Accuracy	0.5
Power Supply	AC 220V \pm 10%, 50Hz
Overall Power Consumption	300 W

Operational Details

Required Sample Volume

2 ml

Liquid Samples

4 ml

Solid/Semi-solid Samples

Cooling Mode	Semiconductor with external cold water cycle
Ignition Device	Electric igniting gun

Compliance & Environment

Operating Environment

Parameter	Range
Ambient Temperature	5 to 30
Relative Humidity	30 to 80 %

Standards Compliance	GB/T 5208-2008
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Dimensions

Overall Dimensions (LxWxH)	370mm x 280mm x 280mm
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Precision

Precision of Determination

- Same operator: absolute difference < 2
- Different operator: absolute difference < 3