

Microscale Continuously Closed Cup Flash Point Analyzer

test method

This test is widely used in the flash point measurement of petroleum products, transformer oil, turbine oil, paint, perfumes, wood preservative oil, aromatic oil, animal and vegetable oil, pesticide emulsifier, high viscosity materials, plasticizers and other substances. Additionally, the Pensky-Martens closed cup method and rapid equilibrium closed cup method are feasible on this instrument by changing parameters. The correlation between these methods is very high.

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Adjust the temperature of the oven in the test room to at least 18°C lower than the expected flash point. Inject the sample into the sample cup and ensure the temperature of the sample and the sample cup are at least 18°C lower than the expected flash point. Cool the sample and the cup, if necessary. Then form an unsealed closed test chamber by raising the sample cup towards the oven.

After closing the test chamber, the temperature difference between the sample and oven is no more than 1°C. After every ignition, get a proper amount of air into the test chamber for the next ignition with oxygen. The pressure in the unsealed closed test chamber should be ambient atmospheric pressure, except during the short period of air introduction and when the temperature achieves flash point. The pressure increase comes after the discharge of arc, so every time after arc discharges, the chamber's atmospheric pressure is higher than ambient atmospheric pressure. When the pressure increase exceeds the specified limit, record the temperature as flash point which has not been corrected.

ordering information

catalog no.	description
K24880	Microscale Continuously Closed Cup Flash Point Analyzer 100-240V 50/60Hz



K24880 Microscale Continuously Closed Cup Flash Point Analyzer

specifications

Conforms to the specifications of:

ASTM D6450, ASTM D7094

Excellent Correlation to:

ASTM D93, ASTM D3278, D3828, EN ISO 3679/3680, ISO2719, SH/T 0768, SN/T 3077.1, SN/T 3077.2, DL/T 1354, GB/T 261, GB/T 21615, GB/T 5208, GB/T 21790

Temperature range: -30°C~420°C (below 0°C external cryogenic recirculating tank is needed);

Heating rate: 2.5±0.3°C/min, 5.5±0.5°C/min, can be customized from 0.5°C/min to 12°C/min;

Accuracy of temperature reading: ±0.1°C;

Pressure range: 0kPa~200kPa;

Sample volume: 1ml or 2ml;

Ignition method: high voltage electronic ignition;

Stirring rate: can be customized from 50rpm to 300rpm;

Interfaces:

USB, RS 232, Ethernet

Power Supply:

100-240VAC, 50/60Hz, 300W

Dimensions wxdxh, in.(cm)

8.9x12.2x16.3 (22.5x31x41.5)

Net Weight: 26.5 lb (12kg)



85 Corporate Drive, Holtsville, New York 11742
1-800-878-9070 (in u.s. only) TEL: +1 631 589 3800 FAX: +1 631 589 3815
Email: sales@koehlerinstrument.com www.koehlerinstrument.com

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