

Automatic Cleveland Open Cup Flash Point Tester

This automatic Cleveland open cup flash point tester is designed to determine the flash point and fire point of petroleum products with flash points higher than 79 °C. It automates heating and test flame application to precisely detect the temperature at which vapor ignites.



Overview

Automated Flash Point Testing

This Automatic Cleveland Open Cup Flash Point Tester is designed to streamline the determination of flash points for petroleum products. It features a user-friendly LCD interface with menu-driven operation, allowing for the pre-setting of test parameters such as expected flash point, sample number, and barometric pressure. The instrument automates critical steps, including lid opening, flash point detection, data printing, and test arm movement, ensuring consistent and reliable results.

Technical Specifications

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| Temperature Measurement Range | 400 °C |
| Temperature Accuracy | 0.1 °C |
| Repeatability | 8 °C |
| Reproducibility | 17 °C |
| Power Supply | AC220V (-10% to +5%), 50Hz |
| Total Power Consumption | 400 W |

Operational Environment

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| Ambient Temperature Range | 10 to 40 °C |
| Max Relative Humidity | 80 % |

Design & Dimensions

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| Overall Dimensions | 410 x 360 x 310 mm |
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Key Features

Automation Capabilities

- Automatic atmospheric pressure calibration
- Automatic lid opening
- Automatic flash point detection
- Automatic test arm operation
- Automatic data printing

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| Standards Compliance | GB/T3536, ASTM D92 |
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