



FP CC-420AE

Micro Continuous Closed-Cup Flash Point Tester



Accurate



High Efficiency



Convenient



Standard Presets



The FP CC-420AE is a professional instrument for assessing combustion hazards, developed using the continuous closed-cup method. It is designed for the petroleum, petrochemical, and chemical sectors to precisely measure the closed-cup flash point of various substances, including petroleum products, transformer oil, turbine oil, paints, perfumes, wood preservatives,

Hangzhou Zeal Instruments Science & Technology Co., Ltd.



ES France - Département Bio-tests & Industries
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 90



e-mail : bio@es-france.com
Site Web : www.es-france.com

Product Features

- Adopts an advanced continuous closed-cup flash point testing method for higher precision and efficiency.
- Small sample size, low testing cost, and low pollution.
- Continuous closed-cup operation without an open flame, ensuring high safety.
- Built-in refrigerating module with a wide flash point test range and short cooling time.
- Preset standard test method that can be correlated with other closed-cup methods.
- Fully automatic testing and automatic flash point calibration with atmospheric pressure.
- Real-time display of temperature and pressure curves for a more direct test process.
- Test results include a temperature vs. pressure rise curve, providing additional information about the flash event.
- Role-based user access control allows for management of different account levels.
- Features a plug-and-play USB interface and an optional thermal printer for convenient data management.
- 7-inch color touchscreen supporting Chinese input with direct and simple operations.

Technical Specifications

Operating Environment	5°C – 40°C, < 85% RH
Temperature Control Range	0 – 260 °C; -30 – 260 °C (low-temperature module); 0 – 420 °C (high-temperature module); -30 – 420 °C (both low-temperature and high-temperature modules)
Temperature Rise Speed	(2.5 ± 0.3) °C/min, (5.5 ± 0.5) °C/min, (0.5 – 12) °C/min customized
Temperature Measurement Accuracy	± 0.1 °C
Pressure Testing Range	0 – 200 kPa
Sample Size	1 mL or 2 mL
Ignition Mode	High-voltage electronic ignition
Stirring Speed	50 – 300 rpm, adjustable
Data Storage Capacity	≥ 5,000 entries
Interface	RS232 *1, RJ45 *1, USB *2
Power Supply	AC 220 V, 50 Hz
Rated Power	300 W
Dimension	225 mm × 310 mm × 415 mm
Weight	13.5 kg

Test Standards

SH/T 0768 SN/T 3077.1 DL/T 1354 ASTM D6450
SN/T 3077.2 ASTM D7094 GB/T 261 GB/T 21615
ASTM D93 GB/T 5208 GB/T 21790 ASTM D3828

Application Fields



Petroleum



Flavors and Fragrances



Coatings



Electric Power

