

Cleveland Flash Point Tester (CFP)

Automatic and reliable open cup flash and fire point testing

The CFP is used to characterize the flammability of petroleum products, lubricants and bituminous materials by the Cleveland open-cup method.

Ducom's CFP offers controlled and secure flash point and fire point testing of materials with a flash point over 79°C. It is designed with an advanced ionization detection system, enabling users to achieve highly-repeatable, accurate results. It is also equipped with an automatic flame detection device, electrical ignitors, an integrated touchscreen panel PC and thermal cut-off capabilities.





Technical Specifications

MEASURING PARAMETERS

- Temperature: °C/°F

- Measuring Range: +79°C to 400°C
- Resolution: 0.06°C
- Accuracy: $\pm 0.1^\circ\text{C}$
- PT100, Class A

HEATING

- Electrical heater
- Equipped with thermal cut-off system

MEASURING DEVICES

- Automatic flame detection device
- For flash point testing: equipped with an ionization detector
- Two electrical ignitors and a pilot flame

DIMENSIONS AND WEIGHT

- 48 x 37 x 61 cm (WxDxH), 32 kg

ELECTRICAL SUPPLY

- 220V + 15% / 50 to 60 Hz (or) 115V + 15% / 60 Hz

Features

- Integrated Touchscreen Panel PC: 8-inch, TFT/LCD, high-resolution display
- Advanced Safety Features: Automatic diagnostics, fire detection system and overheating protection
- User-Friendly Software Interface: automated, temperature-controlled testing
- Storage Capacity: Users can store data files in an Excel-compatible format

Test Standards

ASTM AND FTM METHODS

- ASTM D92: Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester
- FTM 791-1103: Flash Point, Cleveland Open-Cup

IP, ISO, JIS METHODS

- IP 36: Determination of flash and fire points - Cleveland open cup method
- ISO 2592: Petroleum and related products — Determination of flash and fire points — Cleveland open cup method
- JIS K2265-4: Determination of flash point - Part 4: Cleveland open cup method

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Questions?

Our experienced and knowledgeable staff can help you.

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