



UNIVERSE

AUTOMATED CLEVELAND OPEN CUP FLASH & FIRE POINT ANALYZER AZA1276

The AutoFlash-1276 (Model AZA1276) is a fully automated, microcontroller-based Cleveland Open Cup (COC) Flash and Fire Point Analyzer engineered for precise determination of flash and fire points in high-temperature petroleum products.

Designed for accuracy, repeatability, and operator safety, the instrument complies with major international standards and is ideal for refinery labs, petrochemical industries, and quality control environments.



Measurement Capability

- Flash Point: Lowest temperature at which vapors ignite momentarily
- Fire Point: Temperature at which combustion is sustained for ≥ 5 seconds
- Temperature Range: 79°C to 400°C

Applications

- Lubricating oils and base oils testing
- Transformer and insulating oils
- Bitumen and asphalt materials
- Greases and waxes
- Biodiesel and bio-based oils
- Hazard classification (UN / DOT / GHS)
- Quality control in refineries and petrochemical industries



UNIVERSE Technical Specifications

Parameter	Specification
Model	AZA1276
Test Method	Cleveland Open Cup (COC), Fully Automated
Temperature Range	79°C to 400°C
Flash Point Detection	Automatic
Fire Point Detection	Sustained flame \geq 5 seconds
Standards	ASTM D92, ISO 2592, IS 1448 (P:69), IP 36
Sample Types	Lubricants, greases, waxes, bitumen, biodiesel
Ignition System	Electric / Gas (auto-controlled)
Flame Detection	Photoelectric sensor
User Interface	LCD / Touchscreen
Data Output	USB / RS-232 / Built-in Printer
Safety Features	Overheat protection, flame shield, auto shutoff
Power Supply	230 V AC, 50 Hz
Certifications	CE Certified, ISO Compliant