



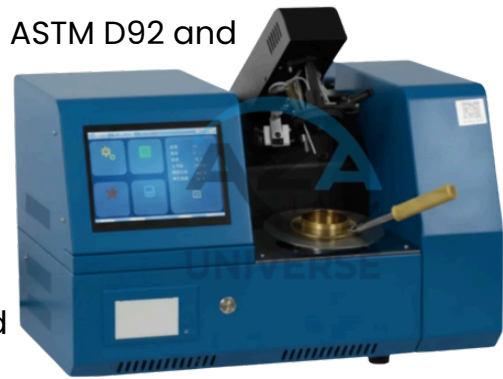
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CLEVELAND OPEN CUP (D92) FLASH & FIRE POINT TESTER AZA1291

The AZA Lab Cleveland Open Cup (D92) Flash & Fire Point Tester AZA1291 is a high-precision analytical instrument designed for accurate determination of flash point and fire point of petroleum products in accordance with ASTM D92 and GB/T 3536-2008 standards.

Engineered for laboratory reliability, intelligent automation, and enhanced operator safety, the AZA1291 provides precise and repeatable flash point analysis for lubricating oils, transformer oils, diesel fuels, heating oils, waxes, base oils, and other high-flash-point petroleum materials.

The instrument integrates advanced temperature control, automatic atmospheric pressure compensation, intelligent fire detection, touchscreen operation, and wireless data communication, making it an ideal solution for petroleum laboratories, refineries, inspection agencies, and industrial quality control departments.



TEST METHODS

- ASTM D92
- GB/T 3536-2008

SAFETY FEATURES

- Electronic gas flame ignition system
- Automatic fire extinguishing after fire point detection
- Manual fire extinguishing override
- Stable temperature ramp control
- Intelligent fault monitoring
- Overheating protection
- Controlled ignition sequencing
- Enhanced operator safety systems



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INTELLIGENT CONTROL SYSTEM

The AZA1291 incorporates a high-performance 32-bit ARM processor and precision AD acquisition technology for stable and accurate operation.

The advanced control system provides:

- Real-time temperature monitoring
- Dynamic temperature curve display
- Automatic result calculation
- Intelligent test sequence management
- Automatic data storage
- User-friendly menu navigation
- Stable and repeatable heating control

The 8-inch IPS touchscreen offers clear visualization and simplified operation for routine laboratory use.

ATMOSPHERIC PRESSURE COMPENSATION

To ensure highly accurate flash point determination under varying environmental conditions, the AZA1291 automatically measures atmospheric pressure and applies correction calculations according to standard testing requirements.

This feature:

- Reduces manual calculation errors
- Improves test consistency
- Enhances international standards compliance
- Increases result reliability across locations

CONNECTIVITY & DATA MANAGEMENT

The instrument features integrated Bluetooth communication for wireless transmission of test results and operational data.



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Technical Specifications

Parameter	Specification
Model	AZA1291
Product Type	Cleveland Open Cup Flash & Fire Point Tester
Test Methods	ASTM D92, GB/T 3536-2008
Flash Point Range	79 °C to 400 °C
Power Supply	AC 220 V ±10%, 50 Hz
Maximum Power Consumption	700 W
Heating Rate (Initial)	14-17 °C/min
Heating Rate (Near Flash Point)	5-6 °C/min after preset FP +20 °C
Ignition Method	Electronic Ignition with Gas Flame
Atmospheric Pressure Correction	Automatic
Display	8-inch IPS Touchscreen
Processor	32-bit ARM Processor
Data Transmission	Bluetooth



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Technical Specifications

Parameter	Specification
Fire Extinguishing	Automatic + Manual
Ambient Operating Temperature	15–35 °C
Relative Humidity	≤85%
Dimensions (L × W × H)	510 × 320 × 330 mm
Net Weight	20 kg

STANDARD SUPPLY

- Main analyzer unit
- Cleveland Open Cup assembly
- Electronic ignition system
- Temperature sensor
- Fire extinguishing assembly
- Bluetooth communication module
- Power cable
- User manual

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