



UNIVERSE

AUTOMATIC CLEVELAND OPEN CUP FLASH POINT TESTER AZA1342

The AZA1342 Automatic Cleveland Open Cup Flash Point Tester is a fully automated laboratory instrument designed for the determination of flash point and fire point of petroleum products in strict accordance with ASTM D92 – Standard Test Method for Flash and Fire Points by Cleveland Open Cup (COC).

The instrument is suitable for testing petroleum products with flash points:

- Above 79°C (175°F)
- Below 400°C (752°F)

excluding fuel oils.

The AZA1342 combines intelligent automation, precision temperature control, and advanced safety features to deliver highly accurate and repeatable flash point analysis. Its user-friendly touch-screen interface and fully automatic testing process make it ideal for:

- Petroleum testing laboratories
- Refineries
- Quality control departments
- Inspection and certification agencies
- Research and development facilities





UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1342
Standard Compliance	ASTM D92
Temperature Sensor	PT100
Ignition Mode	Electronic Ignition
Temperature Range	79°C to 400°C
Resolution	0.1°C
Repeatability	≤150°C: ±2°C >150°C: ±3°C
Heating Rate	Up to 56°C below expected flash point: 14–17°C/min Up to 23°C below expected flash point: 5–6°C/min
Display	LCD Touch Screen
Ambient Operating Temperature	15°C to 35°C



UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Ambient Relative Humidity	≤85%
Power Supply	AC 220V ±10%, 50Hz
Power Consumption	≤600 W
Dimensions (L × W × H)	380 × 290 × 220 mm
Weight	Approx. 15 kg

Operating Conditions

Parameter	Requirement
Ambient Temperature	15°C to 35°C
Relative Humidity	≤85%
Installation	Stable laboratory bench
Power Supply	AC 220V ±10%, 50Hz

Safety Features

- Automatic ignition control
- Controlled heating rate management
- Automatic flash detection system
- Automatic cooling process
- Stable electronic ignition system
- Intelligent operational monitoring