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FULLY AUTOMATED ATMOSPHERIC DISTILLATION ANALYZER AZA1287

The AZA1287 Fully Automated Atmospheric Distillation Analyzer from AZA Lab is a high-precision, fully automated petroleum distillation testing system engineered for ASTM D86-compliant determination of boiling range characteristics across a wide range of petroleum products and hydrocarbon fractions. Designed for refinery laboratories, fuel quality control facilities, petrochemical plants, regulatory laboratories, and research institutions, the AZA1287 delivers exceptional accuracy, repeatability, and operational efficiency through complete automation of the atmospheric distillation process. The analyzer automates all major test functions including controlled sample heating, vapor temperature monitoring, condensation management, receiver tracking, residue determination, and final result calculation. By eliminating manual intervention, the system significantly reduces operator variability while ensuring reliable, regulation-compliant test performance.



Applications

- Petroleum refinery laboratories
- Fuel blending and distribution facilities
- Diesel and gasoline quality control laboratories
- Jet fuel and aviation fuel testing
- Petrochemical testing laboratories
- Fuel storage terminals
- Regulatory and inspection agencies
- Academic and industrial R&D laboratories



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Technical Specifications

Parameter	Specification
Model	AZA1287
Test Method	Atmospheric Distillation
Standards Supported	ASTM D86 (Groups 0–4)
Temperature Range	Ambient to 400 °C
Temperature Accuracy	±0.1 °C
Volume Resolution	±0.1 mL
Receiver Detection	Optical / Laser Sensor
Cooling System	Integrated cooling system
User Interface	8-inch capacitive touchscreen
Data Logging	Continuous logging every second
Data Output	USB, LAN, RS232
Database Functions	Search by sample, method, operator, date
Result Parameters	IBP, FBP, dry point, recovery, residue, loss, cetane index