GASOLINE OXIDATION STABILITY TESTER AZA1318

The AZA1318 Gasoline Oxidation Stability Tester from AZA Lab is a fully automated laboratory instrument designed to determine the oxidation stability of gasoline using the induction period method in accordance with ASTM D525 and GB/T 8018-2015 standards.Oxidation stability testing is essential for evaluating gasoline resistance to degradation during storage and transportation. The AZA1318 subjects fuel samples to accelerated oxidation conditions under controlled temperature and oxygen pressure, automatically determining the induction period to provide accurate and repeatable results for refinery laboratories, fuel inspection agencies, and quality control departments.The system utilizes advanced water-free metal bath heating technology, integrated pressure monitoring, and intelligent software control to ensure stable operation, reduced maintenance, and high-precision testing performance.

APPLICATIONS

- Petroleum refineries
- Fuel quality control laboratories
- Gasoline blending facilities
- Fuel storage terminals
- Regulatory and inspection agencies
- Research and development laboratories
- Petrochemical industries

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1318
Product Name	Gasoline Oxidation Stability Tester
Test Method	Induction Period Method
Applicable Standards	ASTM D525, GB/T 8018-2015
Pressure Measurement Range	0 – 1600 kPa
Pressure Accuracy	±1 kPa
Temperature Control Point	100.0 °C ± 2 °C
Heating Mode	Water-Free Metal Bath
Power Supply	AC 220 V ±10%, 50 Hz
Total Power Consumption	< 1000 W
Ambient Temperature	15 – 28 °C
Relative Humidity	≤ 85 %
Dimensions (L × W × H)	300 × 420 × 280 mm
Net Weight	23 kg