APPARATUS FOR HYDROGEN SULFIDE TESTER AZA1314

The Apparatus for Hydrogen Sulfide Tester AZA1314 from AZA Lab is designed for the rapid and accurate determination of hydrogen sulfide (H_2S) content in fuel oils in accordance with ASTM D7621.

This advanced testing system utilizes the rapid liquid phase extraction method to deliver reliable, repeatable, and efficient H_2S analysis for petroleum laboratories, refineries, and fuel quality control facilities.

During operation, a weighed test sample is introduced into a heated vessel containing a diluent base oil. Air is bubbled through the sample to extract hydrogen sulfide gas, which is then transferred through a vapor phase processor to an H_2S-specific electrochemical detector. The detector measures the H_2S concentration in air and automatically calculates the concentration in the liquid phase in mg/kg.

Key Features & Applications

Accurate Air Flow Control

- Digital mass flow meter ensures precise air flow measurement and regulation
- Maintains stable extraction conditions for repeatable test results

International Standards Compliance

- Fully compliant with ASTM D7621, IP570, and ISO 8217 standards
- Suitable for laboratory certification and refinery quality control applications

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1314
Measuring Range	0–250 mg/kg H_2S
Ambient Requirements	15–30°C, RH ≤ 80%
Viscosity Range	Up to 3000 mm^2/s
Detection Mode	Electrochemical Sensor
Test Time	15 Minutes
Sample Volume	1 ml, 2 ml, 5 ml (Depending on H_2S Concentration)
Dilute Volume	20 ml
Rated Voltage	AC 220V ±10%, 50 Hz
Total Power	300 W
Dimensions (L × W × H)	420 × 500 × 340 mm
Net Weight	20 kg