AZA LAB / PETROLEUM TESTING EQUIPMENT

TOTAL SEDIMENT OF FUEL OIL TESTER

AZA1327A | TECHNICAL DATASHEET



DUAL TEST STATIONS • PRECISION TEMPERATURE CONTROL

PRODUCT OVERVIEW

The AZA1327A Total Sediment of Fuel Oil Tester is designed for the determination of total sediment in residual fuel oil and distillate fuel oil containing residual components. The instrument incorporates a dedicated ageing bath and a filtration assembly with heating and cooling arrangements.

KEY CAPABILITIES

- Dedicated ageing bath for fuel-oil sample conditioning
- Standard filter element with heating and cooling coils
- Glass-fibre filter paper: 0.0016 mm aperture and 47 mm diameter
- Stainless-steel ball valves for switching between hot and cold sources
- Digital time relay for setting and controlling operating time
- Microcomputer PID temperature controller with PT100 sensor
- Two test stations for parallel testing

TECHNICAL SPECIFICATIONS

01 / PRODUCT CONFIGURATION & TECHNICAL DATA

PARAMETER	SPECIFICATION
AZA LAB model	AZA1327A
Model Name	Total Sediment of Fuel Oil Tester
Applicable standards	SH/T 0701; SH/T 0702
Test sample	25 g
Waste flask capacity	500 mL
Measuring range	0.5% (m/m)
Test stations	2 units
Filter paper	Glass fibre; aperture 0.0016 mm; diameter 47 mm
Vacuum pressure	40 kPa
Power supply	AC 220 V, 50 Hz
Rated power	1 kW
Ageing bath dimensions (W × D × H)	570 × 600 × 480 mm
Extraction / filtration dimensions	600 × 600 × 550 mm
Ageing bath net weight	36 kg
Filtration assembly net weight	23 kg

02 / CONTROL & TEST ARRANGEMENT

The ageing bath and extraction/filtration assembly provide the stated two-station test arrangement. A digital time relay controls operating time, while the microcomputer PID controller and PT100 temperature sensor provide temperature regulation. Stainless-steel ball valves switch the heating and cooling sources.

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