CLOUD & POUR POINT APPARATUS – AZA1345A

The AZA1345A Cloud & Pour Point Apparatus is designed and manufactured in accordance with ASTM D97, ASTM D2500, ASTM D5853 standard test methods. The instrument is suitable for the determination of the Pour Point and Cloud Point of Petroleum Oils.



I. MAIN TECHNICAL FEATURES

1. Stainless Steel Working Table

The instrument is provided with a stainless steel working table and consists of two chambers — Chamber I and Chamber II. Each chamber is equipped with two cooling baths, with both cooling baths within each chamber maintained at the same temperature. All cooling baths can be used for determining Pour Point and Cloud Point.

2. Efficient Refrigeration System

No external coolant is required in the chambers. The system provides rapid cooling and high cooling efficiency.

- Temperature Controller I controls the temperature of Chamber I.
- Temperature Controller II controls the temperature of Chamber II.
- Chamber II can achieve a minimum temperature of −70°C.
- Temperature control precision is ±1°C.

3. Bench-Type Construction

The instrument features a compact bench-top structure with a concise design, making it easy to operate and convenient for laboratory use.

II. MAIN TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Model	AZA1345A
Applications	Determination of Pour Point and Cloud Point of Petroleum Oils
Applicable Standards	ASTM D97, ASTM D2500, ASTM D5853, GB/T 3535, GB/T 6986
Power Supply	AC 220 V ±10%, 50 Hz
Chamber I Temperature Range	Ambient to −51°C
Chamber I Temperature Control Precision	±1°C
Chamber II Temperature Range	Ambient to −70°C
Chamber II Temperature Control Precision	±1°C

PARAMETER	SPECIFICATION
Cooling Baths	2 cooling baths in each chamber; temperature of baths within each chamber is the same
Refrigeration System	New-type refrigeration compressor
Coolant Requirement	No external coolant required
Ambient Temperature	≤30°C
Relative Humidity	≤85%
Maximum Power Consumption	1500 W
Dimensions (W × D × H)	800 × 580 × 400 mm
Construction	Bench-top type with stainless steel working table
Cooling Baths	2 cooling baths in each chamber; temperature of baths within each chamber is the same