



FLUORESCENT INDICATOR ABSORPTION APPARATUS

Fluorescent Indicator Absorption Apparatus TT-1319

Fluorescent Indicator Absorption Apparatus TT-1319 is designed for use in accordance with the ASTM D1319 Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption.

Fluorescent Indicator Absorption Apparatus TT-1319 determines the types of hydrocarbons present within petroleum fractions that distill below 315°C, covering concentration ranges from 5 to 99 volume % aromatics, 0.3 to 55 volume % olefins, and 1 to 95 volume % saturates.

APPLICATIONS

The primary application of this apparatus is to determine the hydrocarbon types in liquid petroleum products, in compliance with the ASTM D1319 standard.

It is specifically used for:

- Analyzing petroleum fractions that distill below 315°C.
- Determining the volume percentage of aromatics, olefins, and saturates within the following ranges:
 - Aromatics: 5 to 99 volume %
 - Olefins: 0.3 to 55 volume %
 - Saturates: 1 to 95 volume %

FEATURES

1. The instrument's vibrator utilizes an electric motor for centrifugal vibration, ensuring regular shaking without noise.

2. The apparatus features an ultraviolet ray protector, providing safety and reliability, a domestic innovation.
3. Equipped with two absorption columns, the apparatus can conduct two sets of experiments simultaneously, enhancing work efficiency.
4. The apparatus includes a pressure gauge, facilitating easy pressure adjustment.
5. The measuring meter ruler and magnetic slider are integrated into the instrument, allowing for easy observation of records and minimizing the risk of damage.
6. With a rational design, attractive appearance, and user-friendly operation, the apparatus offers an appealing package.

TECHNICAL SPECIFICATIONS

1. Rated Voltage: 220V $\pm$ 10%, 50Hz (110V also available)
2. Electric agitator: 12V, 1500 turns/min
3. UV light source power: 40W
4. Ultraviolet wavelength: 365nm
5. Pressure precision: 0~0.16Mpa
6. 2 pieces of precision adsorption column: 1mmHg, O.D $\leq$ 0.5mm; length change $\leq$ 0.5mm
7. Ambient requirements: Temperature: 10~40°C; Humidity $\leq$ 85%



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