



ULTRAVIOLET FLUORESCENCE SULFUR TESTER

Ultraviolet Fluorescence Sulfur Tester TT-5453

Ultraviolet Fluorescence Sulfur Tester TT-5453 uses the advanced ultraviolet fluorescence method to determine the total sulfur content in various gases, liquids, solid oils, and chemical products.

Ultraviolet Fluorescence Sulfur Tester TT-5453 features high sensitivity, stable performance, a low detection limit, accurate test results, and good repeatability. It complies with ASTM D5453.

APPLICATIONS

The primary application of the Ultraviolet Fluorescence Sulfur Tester TT-5453 is to determine the total sulfur content in a wide range of substances in compliance with the ASTM D5453 standard.

It is versatile and can be used to analyze:

- **Liquid samples:** such as oils and liquid chemical products.
- **Solid samples:** including solid oils and other solid materials.
- **Gas samples.**

FEATURES

- We use the most advanced ultraviolet lamp and other critical components to ensure high sensitivity and reliability.
- Ultraviolet Fluorescence Sulfur Tester TT-5453 equipped with an American Nafion pipe membrane dryer for effective water removal, ensuring the stability of the apparatus.
- The Ultraviolet Fluorescence Sulfur Tester TT-5453 can establish and store working curves, allowing users to analyze specimens without needing to re-establish the curves.

- By selecting the appropriate gas or solid sample injector, the apparatus can analyze gas, liquid, and solid samples to accommodate various tests.
- Windows interface for convenient operation.

TECHNICAL SPECIFICATIONS

1. Specimen Types: Liquid, solid, and gas specimens
2. Measurement Method: Ultraviolet fluorescence
3. Specimen Sample Size:
 - Solid sample size: 1~20 mg
 - Liquid sample size: 1~30 μL
 - Gas sample size: 1~10 mL
4. Measurement Range: 0.2 mg/L to 3%
5. Detection Limit: 0.2 mg/L
6. Temperature Control Range: Room temperature to 1100°C
7. Temperature Control Precision: 0.5% $\pm$ 2°C
8. Gas Source Requirements:
 - Argon: Above 99.995%
 - Oxygen: Above 99.99%
 - Humidity: Less than 5%
9. Rated Voltage: AC 220V $\pm$ 22V, 50Hz $\pm$ 0.5Hz (110V also available)
10. Power: 1500W



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