



MICRO SEPAROMETER FOR AVIATION FUEL

Micro Separometer for Aviation Fuel TT-3948

Micro Separometer for Aviation Fuel TT-3948 adheres to the ASTM D3948 Standard Test Method for Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer.

To begin the test, a water/fuel sample emulsion is generated in a syringe using a high-speed mixer. Subsequently, the emulsion is expelled from the syringe at a controlled rate through a standard fiberglass coalesce, and the effluent is examined for uncoalesced water using light transmission measurement.

The results are then reported on a scale from 0 to 100, rounded to the nearest whole number. Higher ratings indicate that the water is readily coalesced, suggesting that the fuel contains minimal surfactant materials. The test typically takes between 5 to 10 minutes to complete.

APPLICATIONS

The primary application of this portable separometer is to determine the water separation characteristics of aviation turbine fuels, in compliance with the ASTM D3948 standard.

It is specifically used to assess how readily water separates from the fuel, which provides an indication of the presence of surfactant materials. A higher rating on the 0-100 scale signifies better water separation properties.

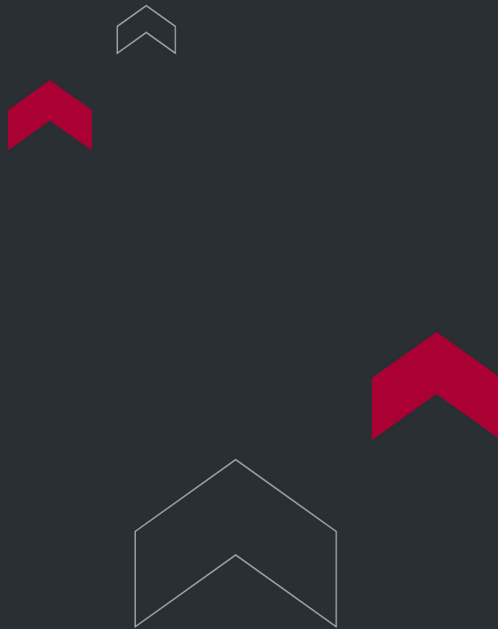
FEATURES

- It can rapidly and automatically assess the water separation characteristics of the sample.
- Users can select from a range of testing standards via setup methods.
- It offers simple operation, automatic timing, and an intuitive interface display.

- The progress status is visually displayed on the small screen throughout the entire test.
- Test sample data can be saved and historical data can be easily queried.
- The tester's independent components can be maintained and operated separately.
- It includes instrument failure alarm and automatic protection for key components.
- The battery voltage is automatically monitored, and it can be charged automatically.

TECHNICAL SPECIFICATIONS

1. Measuring range: 50 to 100, Resolution: 1
2. Detection cycle: 5 to 10 minutes
3. Stirrer revolving speed: 25000 ± 1000 rpm
4. Sample temperature: 18 to 29°C
5. Structure: Portable box
6. Dimensions: 470*380*170 mm, Weight: ≤ 20 kg
7. Power supply: Battery-powered and compatible with AC and DC power supply
8. AC: $220V \pm 10\%$, $50Hz \pm 5\%$ (110V also available)
9. DC: Built-in battery capable of supporting 25 tests independently
10. Maximum power dissipation: ≤ 200 VA



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