

AUTOMATIC AVIATION FUEL FREEZING POINT APPARATUS



Automatic Aviation Fuel Freezing Point Apparatus TT-2386Z

Automatic Aviation Fuel Freezing Point Apparatus TT-2386Z adheres to ASTM D2386 Standard Test Method for Freezing Point of Aviation Fuels. This apparatus is designed to determine the temperature at which solid hydrocarbon crystals may form in aviation turbine fuels and aviation gasoline.

APPLICATIONS

The primary application of this apparatus is to automatically determine the freezing point of aviation fuels, in compliance with the ASTM D2386 standard.

It is specifically designed to determine the temperature at which solid hydrocarbon crystals may form in:

- Aviation turbine fuels
- Aviation gasoline

FEATURES

- Features a 7-inch color LCD touchscreen, adding a stylish and aesthetically pleasing element. The control software, entirely in English, is clear and intuitive.
- Utilizes Danfoss compressors, ensuring rapid cooling and consistent performance.
- Incorporates unique electromagnetic stirring technology for a simple and elegant stirring device. The stirring frequency is adjustable to suit different needs.
- Equipped with an automatic lifting mechanism for stable and fast lifting operations.

- Utilizes photoelectric sensors, eliminating the need for manual judgment of the freezing point and ensuring accurate test results.
- Controlled by a microprocessor program, the main unit computer automatically lowers the temperature during the test. The test tube is raised and lowered automatically, and the freezing point is identified, stored, and printed automatically. The apparatus halts operation automatically after completing the test.

TECHNICAL SPECIFICATIONS

1. Applicable standard: ASTM D2386
2. Temperature control range: Room temperature to -70°C
3. Temperature control accuracy: $\pm 0.1^{\circ}\text{C}$
4. Refrigeration method: Cascade compressor
5. Stirring method: Electromagnetic stirring
6. Stirring frequency: 60 times/minute
7. Detection method: Photoelectric sensor
8. Storage records: 200 records
9. Printing method: Micro printer
10. Main engine power: 1.5 kW
11. Power supply: AC 220V $\pm 10\%$ 50Hz (110V also available)



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