

AWD-230 Rapid Freezing Point Tester

ASTM D7153

This instrument is an environmentally friendly instrument with independent intellectual property rights. The instrument is designed according to the optical principle of ASTM D7153, and the electromagnetic stirring mode is used to determine the freezing point in accordance with the requirements of GB/T2430 standard.

When aviation fuel is cooled, it forms solid hydrocarbon crystals, which disappear when the fuel temperature rises. The instrument uses optical principles to monitor the above changes, and accurately measures the "freezing point" through the detection software, and reports the test results.

Performance Characteristics:

- 10.4 inch touch LCD display, full Chinese interface real-time data and curve display.
- With electromagnetic stirring function, more in line with the traditional method GB/T2430 requirements.
- Compressor and semiconductor composite refrigeration, cooling speed is fast, from boot to sample injection, experimental results only 10 ~ 15min.
- The oil sample changes can be monitored accurately by optical principle, and the test results can be measured and reported automatically by testing software.
- Only 5mL oil sample was needed for each experiment; The peristaltic pump is used for automatic and continuous injection, and the injection times can be set arbitrarily.
- After the test, the instrument automatically heats up.
- Efficient and fast database function, it is convenient to consult and use the saved experimental results.
- Password protects operation rights to ensure database security.
- The key components are selected from international famous brands to ensure the performance and reliability of the instrument.
- The instrument can be connected to laboratory LIMS system and multi-computer network.

Technical Parameters:

No.	Tech Indicator	Description
1	Sample Determination Range	10°C~ - 75°C
2	Average Test Time	10 ~ 15min
3	Sample Size	5mL
4	Power	600W
5	Overall Dimension	500×330×500 (mm)
6	Weight	31kg

