FREEZING POINT TESTER AZA1322

The AZA1322 Freezing Point Tester from AZA Lab is a fully automated, high-precision laboratory instrument designed for determining the freezing point of aviation fuels in accordance with ASTM D7153.

Using advanced automatic laser detection technology, the AZA1322 accurately identifies the lowest temperature at which aviation fuel remains free from solid hydrocarbon crystal formation. This testing is critical for aviation safety, as fuel temperatures decrease significantly during high-altitude and long-duration flights.The system combines precise optical detection, rapid compressor cooling, intelligent automation, and advanced data management to deliver highly accurate, repeatable, and operator-independent freezing point analysis for aviation fuel laboratories and refinery quality control facilities.

APPLICATIONS

- Aviation fuel testing laboratories
- Aircraft maintenance facilities
- Airport refueling stations
- Petroleum refinery laboratories
- Fuel quality control departments
- Regulatory and inspection agencies
- Aviation fuel certification centers
- Research and development laboratories

AZA LAB UNIVERSE

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1322
Product Name	Automatic Aviation Fuel Freezing Point Tester
Test Method	Automatic Laser Method
Standard Compliance	ASTM D7153
Cooling System	Built-in Compressor
Temperature Range	−62°C (extendable to −70°C)
Sample Volume	5 mL
Test Time	15–20 minutes
Display	8-inch Color Touchscreen
Communication Ports	1 × LAN, 2 × USB, 1 × Parallel
Power Supply	AC 220V ±10%, 50/60 Hz
Power Consumption	1200 W
Dimensions (L × W × H)	670 × 385 × 390 mm
Net Weight	64 kg