

YK-AL219 Automatic Tag Closed-Cup Flash Point Tester

The YK-AL219 Automatic Tag Closed-Cup Flash Point Tester complies with the requirements of the GB/T 21929 and ASTM D56 test methods. It is suitable for testing liquids that have a viscosity of not less than 5.5 mm²/s (cSt) at 40°C (104°F) or a viscosity of less than 9.5 mm²/s (cSt) at 25°C (77°F), and a flash point below 93°C (200°F).



Instrument Features:

1. The instrument utilizes microcomputer control with a touchscreen interface, integrating temperature control, ignition, flash point detection, data storage, and printing into a fully automated process.
2. It features a 7-inch color LCD screen with an integrated touch interface and automatic brightness and contrast adjustment.
3. Test results are automatically corrected to standard atmospheric pressure; the system automatically detects the flash point and performs lid opening and ignition.
4. Test results are printed automatically, and an alarm sounds when the flash point is detected.
5. It is equipped with a versatile low-temperature testing unit that allows for automatic or manual control of the cooling medium circulation.



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Technical Specifications:

1. Test Range: -15°C to 93°C
2. Temperature Sensing: Platinum resistance (PT100)
3. Display: 7-inch LCD screen
4. Cooling Method: Compressor-based circulating cooling
5. Heating Rate: 1°C/min below 60°C; 3°C/min above 60°C
6. Test Interval: 0.5°C/step below 60°C; 1°C/step above 60°C
7. Display Resolution: 0.1°C
8. Ignition Device: Automatic lid opening with LPG pilot flame
9. Flash Detection: Thermocouple differential detection
10. Printer: Thermal paper; 36-character capacity; Chinese character output
11. Self-diagnosis Functions: Keys, display, printing, control, etc.
12. Ambient Conditions: Temperature 10–40°C; Relative humidity ≤85%
13. Power Consumption: Main unit ≤300W; Multi-purpose low-temperature tester ≤1200W
14. Power Supply: AC 220V ± 10%, 50Hz