

AWD-31B Lubricating Oil Evaporation Loss Tester (Noack B method) ASTM D5800

1.Scope of Use: AWD-31B lubricating oil evaporation loss tester (Noack B method), is designed and manufactured in accordance with the industry standard SH/T0059-2010, this instrument is suitable for the determination of lubricating oil and lubricating oil base oil evaporation loss under the standard, the instrument has a high degree of automation, the experiment process does not use Wood alloy.

2.Determination Significance: The evaporation loss of lubricating oil is an important index to evaluate the high temperature performance of oil products.

Structural Characteristics

- The instrument is mainly composed of a host, evaporating crucible, vacuum pump, inclined tube pressure gauge, residual oil bottle, buffer bottle and so on.
- The main machine includes touch control screen, heating body, automatic voltage regulator, differential pressure transmitter and control circuit system, etc. The heating body adopts aluminum bath, and has insulation and insulation layer protection, heating up quickly; All control and display through touch control screen; The automatic pressure regulator realizes the dynamic adjustment of vacuum degree during the experiment, so that the pressure is stable within the standard error range.
- The control circuit adopts PLC control, which has good stability and low failure rate.
- The vacuum pump has a coarse adjustable needle valve for roughly adjusting the vacuum degree.
- The instrument has the advantages of beautiful appearance, generous design, reasonable structure design, easy operation, accurate measurement and good repeatability.

Technical Parameters

- Power Supply: AC220V 10% 50Hz
- Input Power: < 1500W
- Temperature Control Range: room temperature ~ 300℃
- Experimental Temperature: 245.2℃ ± 0.5℃
- Pressure Fluctuation: ≤ 2Pa
- Temperature curve, pressure curve display
- Automatic dynamic constant voltage, constant current

