

# SYD-264B Automatic Total Acid Number Tester



## Summary

The instrument uses potentiometric titration method. Recording the titration of the electrode potential and the titration volume, find out the equivalence point and corresponding titrant volume, and thus obtained the sample pH value. This instrument can accurately detect the acid value of transformer oil, turbine oil, anti oil, diesel, gasoline and other petroleum products ; Widely used in chemical industry, electric power, oil and other industries, it's the ideal products to current meter acid number of petroleum products. Standard : GB/T264, GB7599-87, GB/T7304-2000, GB/T 18609-2001, ASTM D664-2011

## I. Main technical features

1. Special operation software provides an English windows interface. The man-machine dialog makes it easy to operate.
2. High resistance input makes the signal stable and reliable.
3. Displaying the curve and result in real time.
4. The test result can be saved as a Word file.
5. The process data can be saved as an Excel file.
6. The curve, result, and data can be printed.
7. Automatic liquid compensation. The automatic value set and liquid adding.

## II. Main technical specifications

1. Acid number measuring range :  $\geq 0.05$  mgKOH/g
2. Potentiometric measurement : (0~1800.0) mV
3. Capacity of burette : 10mL
4. Minimum titration volume : 0.02mL
5. Precision of burette :  $\pm 0.1\%F \cdot S$
6. Precision of instrument : Meet relevant standard test methods
7. Power supply : AC(220 $\pm$ 11)V , 50 $\pm$ 1Hz
8. Ambient temperature : 5 $^{\circ}$ C~35 $^{\circ}$ C
9. Relative humidity :  $\leq 80\%$
10. Dimension : 350mm $\times$ 280mm $\times$ 178mm (PC is not included)
11. Net weight : 14Kg (PC is not included)