

# SYD-0162 Basic Nitrogen Analyzer

## Summary

SYD-0162 is to determine the basic nitrogen in petroleum products under the control of the computer. It ensures the accuracy of the results by titration curve smoothing and titration end position correction. It is the laboratory, analysis room and petrochemical research departments of the idea of the necessary instruments. Standards: SH/T0162-92 Determination of basic nitrogen content in petroleum products; SH/T 0413-1992



## I. Main technical features

1. Windows OS, easy to operate.
2. High degree of automation, accurate analysis results.
3. Titration apparatus adopts imported key components (Metrohm) . Stable and reliable performance, low noise.
4. Automatic cleaning, automatic constant liquid.
5. Automatically determine the end point, without an indicator. Suitable for a variety of petrochemical products in the light and dark oil basic nitrogen analysis. The titration results and automatic data storage, automatic printing, and can provide a complete analysis of titration data for use.
6. Double high impedance input, the electrode potential stability, reliability.

## II. Main technical specifications

1. Potential measurement range:  $(0 \sim \pm 1999.5)$  mV
2. Electronic unit basic error:  $0.1\% \pm 0.5$  mV
3. Input impedance:  $R_i \geq 1 \times 10^{12} \Omega$
4. Burette capacity: 10ml
5. Burette accuracy  $\pm 0.1\%$  (F•S)
6. Titration time:  $(60 \pm 20)$  S (F•S) ;
7. Bias:  $\leq 5\%$  compared with standard SH/T0162
8. Precision: Correspond with standard SH/T0162
9. Power supply: AC  $(220 \pm 10)$  V,  $(50 \pm 0.5)$  Hz, 300W
10. Ambient temperature:  $10^\circ\text{C} \sim 40^\circ\text{C}$
11. Relative humidity:  $\leq 85\%$
12. Dimension: 260mm×380mm×400mm (PC is not included)
13. Net weight: 8kg (PC is not included)