

SYD-251 Base Number Tester

Summary

This instrument is designed and made as per industrial standard of the People's Republic of China SH/T0251-93 Standard Test method for a base number of petroleum products. It is composed of ZD-2A automatic potentiometric titrator, titrate stand and burette. It is suitable to determine the alkali component of petroleum products and used petroleum products and additives.

I. Main technical features

1. This instrument adopts a principle of acid-alkali neutralization and method of potentiometric titration for perchloric acid to determine the alkali value of sample by judging the electric potential change to a finishing point.
2. This instrument is equipped with 5 pieces of electrodes and 3 pieces of burettes of different specifications. It can satisfy the determination for alkali component of petroleum products.
3. The measuring range of the instrument is wide, measuring accuracy is high. Accessories complete and convenient to use.

II. Main technical specifications

ZD-2A automatic potentiometric titrator

(the outside drawing, size, and net weight refer to real product)

1. Measurement range : pH (0~14.00)pH ; mV(0~±1999)mV
2. Measurement accuracy : pH ±0.01 ; mV0.1%F.S
3. PT control accuracy : ±0.03pH or ±3mV ;
4. Input impedance : $\geq (1 \times 10^{12}) \Omega$
5. Repeatability of volumetric analysis : $\leq 0.3\% \text{F.S}$
6. Room temperature : (0~35)°C
7. Relative humidity : $\leq 85\%$
8. Dimension : 280mm×200mm×130mm (Only the main machine)
9. Net weight : 3.5Kg

