

SYD-259 Petroleum Products Water Soluble Acid & Base Tester

Summary

The instrument is designed and made as per the national standard of People's Republic of China GB/T259 Standard Test Method for Water Soluble Acid & Base of Petroleum Products. It is suitable to determine the water soluble acid & alkali in the liquid petroleum products, additives, lubricant greases, paraffin and waxy components as per GB/T259.

The instrument extracts the water soluble acid & alkali in the sample using distilled water or ethanol solution. Then check color change of extracted solvent by methyl orange or phenolphthalein indicator respectively, or determine the pH value of extracted solvent using acidity meter to ascertain whether there exists the soluble acid and alkali in the extracted solvent.

I. Main technical features

1. Simple design and meeting requirements of GB/T 259.
2. Heating power can be adjusted continuously. Easy to control.
3. Easy to operate. The result is accurate.

II. Main technical specifications

1. Power supply: AC 220 V \pm 10%, 50 Hz
2. Heating power: 100 W \sim 1000 W, continuously adjustable
3. Acidity meter:
 - (1) Full scale: 0 \sim 14.00 pH
 - (2) Accuracy: \pm 0.01 pH
4. Separating funnel: 250 ml
5. Graduated flask: 100 ml, 50 ml
6. Test tube: Φ 18 mm \times 100 mm
7. Conical flask: 100 ml
8. Ambient temperature: -10 $^{\circ}$ C \sim +35 $^{\circ}$ C
9. Relative humidity: \leq 85%
10. Maximum power consumption: 1200 W

