

# SYD-11132 Liquid Petroleum Products Hydrocarbon Tester

## Summary

The instrument is designed and made as per national standard of People's Republic of China GB/T 11132 Standard test method for hydrocarbon types in liquid petroleum products by fluorescent indicator adsorption and ASTM D 1319 Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption. It is suitable to make the main hydrocarbon of liquid petroleum products shown on the silica gel adsorption column with fluorescent indicator. Then calculate its volume percentage. This will be regarded as the quality measurement index of engine fuel, aviation fuel, and other fuel oils.

The instrument is a kind of professional instrument determining a percentage of aromatic hydrocarbon, olefin and saturated hydrocarbon in petroleum fraction.

## I. Main technical features

1. Vertical type and unit-body design. No need to install.
2. This instrument is composed of air circuit system, vibration unit, scale indicator, illumination and UV-light detecting component.
3. Two pieces of imported precise glass tube adsorption column. It is convenient to operate.
4. Equipped with an adsorption column cleaning unit. Solve the problem for cleaning the adsorption column.

## II. Main technical specifications

1. Power supply : AC220V $\pm$ 5%, 50Hz
2. Pressure regulating range of reducing valve : (0~400)kPa
3. Electric agitator : Independently controlled for each way
4. Ultraviolet light source pipe : 1220mm in length, wavelength is 365nm $\pm$ 5nm
5. Illuminating lamp : 1220mm in length, power is 40W
6. Air supply : Nitrogen cylinder (or air compressor, compressed air bottle)
7. Ambient temperature : (5~35) $^{\circ}$ C
8. Relative humidity :  $\leq$ 85%
9. Dimension: 350mm $\times$ 400mm $\times$ 1770mm
10. Maximum power consumption: 600W

