



**TRYTE TECHNOLOGY (H.K.) LIMITED**  
**Shanghai Trueview Scientific Instrument Co.,LTD**

# 1. Density, Kinematic Viscosity, Viscosity Index Tester



## Summary

This instrument is designed and made as per national standard of People's Republic of China GB/T 1884-ASTM D1298, GB/T 265-ASTM D445 and GB/T 1995-ASTM D2270. It can determine the density(liquid petroleum products) as per GB/T 1884, the kinematic viscosity(Newtonian liquids) as per GB/T 265 and viscosity index(Lubricating oils) as per GB/T 1995.

## I. Main technical features

1. Multifunctional instrument. It can determine the density of crude oil and liquid petroleum products, kinematic viscosity of liquid petroleum products and viscosity index of lubricating oils.
2. Microprocessor and colored LCD technology. Chinese-English bilingual menu. Light-touch screen. Easy to operate.
3. Advanced digital control and display. Automatic kinematic viscosity determination. The density test uses standard GB/T 1884.
4. It can test 4 samples at a time. Two for kinematic viscosity test and another two for density test. Or 4 kinematic viscosity tests. The parameters such as temperature, time, coefficient of capillary viscometer tube and density value can be inputted in or displayed on the light-touch screen.
5. New-type temperature sensor. The temperature resolution is  $0.01^{\circ}\text{C}$ . Temperature control precision is  $\pm 0.05^{\circ}\text{C}$ .
6. It can save 99 coefficients of capillary viscometer.

## II. Main technical specifications

1. Capacity of bath:  $\Phi 300\text{mm} \times 340\text{mm}$
2. Temperature range: Ambient to  $100^{\circ}\text{C}$
3. Resolution:  $0.01^{\circ}\text{C}$
4. Temperature precision:  $\pm 0.05^{\circ}\text{C}$
5. Timing precision:  $\pm 0.1\text{s}$
6. Display: 5.6 inch colored LCD
7. Sample amount: 4 samples
8. Power supply: AC( $220 \pm 10\%$ )V,  $50\text{Hz} \pm 1\text{Hz}$
9. Maximum power consumption: 1500W
10. Working environment: Ambient temp.: ( $15 \sim 35$ )  $^{\circ}\text{C}$ , RH < 85%

11. Dimension: 615 mm × 500 mm × 610 mm
12. Net weight: 26.5kg

## 2. Petroleum Products Low Temperature Density Tester



### Summary

This instrument is designed and made as per standards GB/T 1884 Crude petroleum and liquid petroleum products — Laboratory determination of density — Hydrometer method and ASTM D1298 Standard Test Method for Density, Relative Density(Specific Gravity),or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method.It' s our newest liquid petroleum product low temperature density tester to promote in the market. Through the glass petroleum densimeter in the laboratory,It is used to determine the low temperature density of crude petroleum,liquid petroleum products,petroleum products and the mixture of non-petroleum products.

### I. Main technical features

1. This instrument is a kind of all-in-one machine,with stainless steel constant temperature bath,heater,automatic stirrer,transparent glass observation window at the front.
  2. It adopts intelligent LED temperature controller,and realize PID temperature control and adjustment.The control rate is fast and overstrike is small. The temperature control can reach  $\pm 0.25^{\circ}\text{C}$ .
  3. The advanced imported compressor with the fast cooling speed.
- The group of 10 pcs densimeters with wide range of application.

### II. Main technical specifications

1. Power supply: AC (  $220 \pm 10\%$  ) V, 50Hz
2. Capacity of cylinder: 500ml
3. Minimum temperature control value:  $20^{\circ}\text{C}$
4. Temperature control accuracy:  $\pm 0.25^{\circ}\text{C}$
5. Temperature sensor:PT100
6. Test tubes quantity: 2pcs
7. Thermometer:  $-1^{\circ}\text{C} \sim 38^{\circ}\text{C}$ , Scale division is  $0.1^{\circ}\text{C}$
8. Total power consumption: 3000W
9. Environment temperature:  $5^{\circ}\text{C} \sim 30^{\circ}\text{C}$
10. Humidity:  $\leq 85\%$

11. Dimension: 510mm×360mm×660mm(L\*W\*H)

12. Net weight: 35kg

### 3. Petroleum Products Density Tester



#### Summary

This instrument is designed and made as per standards GB/T 1884-2000 Crude petroleum and liquid petroleum products — Laboratory determination of density — Hydrometer method and ASTM D1298 Standard Test Method for Density, Relative Density(Specific Gravity),or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method. It is used to determine the density of crude petroleum and liquid petroleum.

#### I. Main technical features

1. This instrument is a kind of all-in-one machine. The control box adopts humanized design. The control switch adopts light-touch mode. It' s structure is simple and compact. Easy to operate.
2. It adopts intelligent LCD temperature controller. The control rate is fast and overstrike is small. The temperature control can reach  $\pm 0.2^{\circ}\text{C}$ .
3. It equips a hard glass vessel and electric stirrer. The temperature in vessel is uniform. Easy to observe the sample.

#### II. Main technical specifications

1. Power supply: AC ( $220\pm 10\%$ ) V,50Hz
2. Dimension of constant temperature bath:  $\Phi 300\text{mm}\times 340\text{mm}$
3. Capacity of cylinder: 500ml
4. Heating power: 700W,1000W
5. Temperature controller:
  - (1) Range: Ambient to  $100^{\circ}\text{C}$
  - (2) Accuracy:  $\pm 0.2^{\circ}\text{C}$
  - (3) Sensor: Pt100
6. Thermometer: Mercury-in-glass thermometer. Scale division is  $0.2^{\circ}\text{C}$ .
7. Dimension:  $560\text{mm}\times 380\text{mm}\times 580\text{mm}$

## Product Package:

### PACKING PROCESS

Deliver with care - High quality modular packaging ensure goods safety.

01.



02.



03.



04.



05.



06.



07.



08.

