

SYD-1884A 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. Its 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 a vessel is uniform. Easy to observe the sample.
4. It equips a model ZL-1 portable cooler. It can do refrigeration for the liquid in the vessel according to test requirements.

II. Main technical specifications

Constant temperature bath

1. Power supply : AC (220 \pm 10%) V, 50Hz
2. Dimension of 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: 560mm \times 380mm \times 580mm

Portable cooler

1. Power supply : AC (220 \pm 10%) V, 50Hz
2. Cooling Power : 180W
3. Refrigeration : Totally enclosed type compressor
4. Refrigerant : R134a, environment-friendly
5. Ambient temperature : (5 \sim 35) $^{\circ}\text{C}$
6. Relative humidity : $\leq 85\%$
7. Dimension : 450mm \times 400mm \times 300mm