

## Density Instrumentr

Density Instrument, U-tube oscillation method density meter, electronic liquid density meter is based on the principle of different oscillation frequencies when the double U-tube is filled with different media to measure the liquid density.

### 1. Density Instrumentr Introduction

Innovation points to improve efficiency:

- 1: You can see whether the sample has bubbles or not;
- 2: High automation integration, realizing one-key measurement function;
- 4: Comes with Peltier temperature control.

### 2. Density Instrumentr Parameter

\*Density measurement range: 0.00001 -1.99999g/cm<sup>3</sup>

Density repeatability: ±0.0002 g/cm<sup>3</sup>

Density accuracy: ±0.0005 g/cm<sup>3</sup>

\*Automatic temperature control: 15-35°C

Temperature repeatability: ±0.1 °C (0.2 °F)

U-tube visual function: yes

Automatic sampling detection function: Yes

Environment temperature requirement: 5°C ~35°C

The minimum sample amount is about: 1.5ml

Built-in tables and functions: density, alcohol concentration table

U-tube material: borosilicate glass

Dimensions (length x width x height) 206mm×205mm×200mm

Weight: 3.6kg

Power supply: 220V±22V, 50Hz±1 Hz, 50VA

Display LED display

Data storage capacity: memory 80 measurement results

Other special functions: built-in temperature and humidity sensor for intelligent environmental monitoring.

### 3. Density Instrumentr Feature And Application

1. Using the principle of U-tube vibration method, it is suitable for automatic measurement of liquid density
2. Using imported high-speed STM32 chip processing, high sensitivity and accurate data
3. Automatic sampling: Xiongfafa special automatic sampling system, automatic quantitative technology, high precision
4. Using self-developed technology to remove residues to ensure no residues in samples

5. Constant temperature control: Adopting self-developed Peltier refrigeration technology, high refrigeration efficiency and environmental protection
6. Wall-free treatment: the liquid will leave residual liquid on the inner wall of the oscillating tube during the flow process, which will affect the measurement accuracy. Therefore, the wall-free treatment on the inner wall of the oscillating tube can avoid residual liquid on the inner wall of the oscillating tube and ensure Improve the accuracy of the instrument.
7. Data storage and transmission: built-in storage chip, can store 80 sets of test data, and can be recalled and deleted
8. Calibration function: Use 20°C pure water as a standard to calibrate the instrument, which is a function that cannot be achieved by a glass densitometer

#### 4. Fields of use Density Instrumentr

Density testing of petroleum, diesel, cleaning fluid, lubricating fluid, chemical liquid, flux, crude oil, chemical reagent, stupid, toluene, flavor and fragrance, essential oil, alcohol, beverage and other industries, can be converted for alcohol and sulfuric acid solution concentration! Electronic liquid density meter conforms to GB/T29617, ISO12185, ASTM D4052/D5002, GB/T29617-2013, GB/T2013-2010, GB23971-2009, GB4747-2009, SH/T0604-2000, SN/T2383-2009, SH/ T0729-2004, ASTM D4052, ASTM D5002, ASTM D1250, ASTM D3505, ISO12185:1996.

#### 5. Density Instrumentr Details

After pumping the liquid to be tested into the resonant cylinder sensor, the single-chip microcomputer performs measurement data processing, which is fast and direct, and has high sensitivity. It is composed of double tuning fork density sensor, vibrating tube circuit, temperature measurement circuit, CPU, display, constant temperature bath, liquid inlet pump and control panel.

#### 6. Product Qualification

Jiahang Density Instrumentr has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality.

#### 7. Deliver, Shipping And Serving

We have a top R&D team returned from Europe and America, cooperate with our superb manufacturing team, professional sales team and dedicated service team, working together to provide customers with high-tech, high-quality products and efficient, convenient, Comprehensive pre-sales and after-sales professional services.

#### 8. FAQ

**How many years have your company made Density Instrumentr?**

22 years of scientific instrument manufacturer, laboratory solution provider!

### **Which certificate do you have for your products?**

Jiahang has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality.

### **Will you will attend the fair to show your products?**

Yes, Every year we will participate in some internationally renowned exhibitions to launch our new products, such as Arablab, PICCTON, Analytica Russia, Lab Africa, Analytica Germany, Analytica Latin America and so on, we are looking forward to your visit.

### **How about your company's R&D strength**

Possess strong R&D technical capabilities (a R&D team of more than 20 people, with an average degree of doctorate degree, graduated from well-known universities at home and abroad, with an average work experience of 8 years), able to deal with and solve product-related technical problems

### **If OEM is acceptable?**

Provide OEM customization service, product built-in software has autonomy, can customize development settings

### **Are you a trading company or a manufacturer?**

100% manufacturer, no middlemen and distributors make the price difference, the price of the source factory is very advantageous; Jiahang is headquartered in Shanghai, China, has 15 service outlets and 2 production plants in China, and has sales in more than 10 countries overseas proxy.

### **How about your delivery time?**

"Generally, it will take 7 to 15 working days after receiving your advance payment. Depend on the quantity."

### **Which payment can be acceptable ?**

We could accept the payment by L/C, TF, Paypal , Western Union, etc.

### **Service**

We could provide Online instruction ; Real-time support by video-ca or voice-chat.

Any customer who cooperates for the first time promises to provide a production cost price trial opportunity to solve your worries about product quality problems.



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Provide official product quality assurance documents that comply with legal benefits to escort you with worry-free after-sales service.