

True Solution (High Precision Type) Density Tester / Balances



Product Definition:

Compared with the traditional Wechsler balance method and pycnometer method, JHY series liquid density tester adopts the combination of Archimedes principle and modern electronic technology, which is one of the methods of international general liquid density measurement, which is extremely convenient to operate compared with the traditional Wechsler balance method and pycnometer method, and is not affected by thermal expansion and contraction, difficult cleaning, large scale marking error, narrow measurement range, cumbersome operation, and other factors, with the characteristics of simple measurement, accurate measurement, stability and reliability.

Application Industries:

Fine chemicals, chemical solutions, modern energy, petroleum fuels, chemical reagents, paints and coatings, asphalt, inks, resins, chemical oils, edible oils, beverages, dairy chemical engineering research laboratories.

Standard Principle:

According to GB/T13531, T5526, T5009, ASTM, JIS, ISO specifications. Conduct with Archimedes' principle, physical law of buoyancy to quickly reads the relative density and concentration values of liquids.

Features:

1. Any liquid can be measured instantaneously without restrictions.
2. High measurement accuracy, easy operation, stable and durable.
3. The measuring cup is easy to clean, not limited by the small diameter of the pycnometer and can be reused; Can be used with other measuring cups.
4. **ONLY 20CC, OR LESS SAMPLE**, CAN QUICKLY READ THE RELATIVE DENSITY AND CONCENTRATION VALUES OF LIQUIDS.
5. It can cooperate with constant temperature sink operation to measure the specific gravity of liquid at the required temperature.
6. Volatile liquids, corrosive liquids, viscous liquids, strong acids and alkaline liquids can be measured quickly (optional weight accessories).
7. The concentration value of the solution can be directly displayed by the specific gravity value of the measured solution
8. Equipped with a special wind and dust cover, easy to combine, strong and durable

Technical Specification:

Model	JHY-120G	JHY-300G
Measurable range:	0.001g ~ 120g	0.01g~300g
Test Type:	Additives, true solutions	
Test time:	About 3 seconds	
Density range:	0.0001~2.2000	0.001~2.200
Density accuracy:	0.001/0.0001 g/cm ³	0.001 g/cm ³
Concentration accuracy:	0.1%~100.0%	
Standard Interface:	RS-232	

Standard Accessories:

- (1) Main body,
- (2) Measuring container placement plate,
- (3) JHY-20F standard liquid measurement assembly,
- (4) Tweezers,
- (5) Straw,
- (6) 100G weight,
- (7) Wind and dust cover,
- (8) Measuring bracket,
- (9) Power transformer.

※The **JHY-20F** standard liquid measuring kit: including of :

- 2 stainless steel hooks,
- 2 standard glass weights,
- 1 standard stainless steel weight,
- 2 measuring cups.

Optional accessories: JHY-40 printer, JHY-20B anti-corrosion liquid measurement kit

Measurement procedure:

- (1) Place the measuring cup containing the sample on the measuring plate, and deduct the weight of the hook.
- (2) The standard weight is suspended with a hook and completely submerged in the liquid to be measured to display the density value.