

Multifunction High Precision Solid Liquid Powder Density Balance Model: RC-300V



Product Introduction:

It adopts imported host, stable performance, simple and fast operation, and can read the density value instantly. It is the most widely used digital display density measuring instrument at present. The weighing accuracy can reach one thousandth, and the density value can be displayed in only two steps. Compared with the traditional density meter, it does not need manual calculation, convenient and time-saving operation, accurate measurement, high efficiency, suitable for production site and quality monitoring and other fields.

Applicable Material:

Rubber, plastic, plastic particles, composite materials, wire and cable, tires, aluminum products, fibers, EVA materials, powder metallurgy, precision ceramics, Glass industry, liquid, chemical solution, additives, powder and other new material research laboratories, etc.

Solid mode:

- According to JIS-K-6268, HG4-1468, ISO 2781, ASTM D297, GB/T 1689-1998, GB/T533, JIS K6268, ASTM D792, GB/T 1033, ISO-9000 standards.
- Using Archimedes principle buoyancy method, accurate and direct reading measurement value.

Liquid mode:

- According to GB/T5526, 13531, 15223, JIS, ISO specifications. Using the buoyancy method and water displacement method based on Archimedes' principle, the relative density value of the liquid can be read out quickly and directly

Powder mode:

- Use the Archimedes volume displacement method, with a special pycnometer, to accurately read the true density of the powder. According to GB/T533-A, GB/T1033.1, GB/T6155, GB/T23561, GB/T 1713, GB/T8929, GB/T1713, GB/T208, GB/T5071, QB/T1010, GB/T9966, GB/ T18856, GB/T24203, GB/T833 0 etc.

Specifications :

Model	RC-120V	RC-300V	RC-600V
Measuring Range	0.001g~120g	0.005g~300g	0.01g~600g
Density Accuracy:	0.0001 g/cm ³	0.001 g/cm ³	
Density Range:	0.001—99.999g/cm ³		
Testing Time:	about 3 seconds		
Model:	solid, liquid and powder		
Display value:	Apparent density, specific gravity	Relative Density	
Temperature Compensation:	Solution temperature can be set to 0~49°C		
Solution Compensation:	Solution can be set to 19.999		
Type of liquid to be measured	<p>a: Fluid liquid, viscous liquid, volatile liquid, corrosive liquid, high temperature liquid, suspending liquid, emulsified liquid, etc. all liquids</p> <p>b: Alcohol, flux, essence, blood, sodium chloride, glycerin, electrolyte, diesel, refrigerant hydrofluoric acid, methylene chloride, ether, sulfuric acid and other similar liquids can be measured</p>		

Features :

- High precision, stable, simple and convenient operation, fast measurement
- According to different product characteristics, water, alcohol, silicone oil and other liquids can be replaced as media
- Density direct reading, just two steps to directly read the density value of the sample
- Adopt "One-piece large volume" Designed to easily measure samples of any shape, including solids, blocks, particles, floating bodies, films, water-absorbing bodies, foaming bodies, specific gravity of liquids, etc.
- Sampling is convenient, the measured sample only needs 50CC, or less sampling devices can be customized
- Equipped with one-piece stainless steel measuring hook
- The measuring cup is easy to clean, not limited by the small diameter of the pycnometer, and can be used repeatedly. Disposable measuring cups are also available
- Quick measurement of volatile liquids, corrosive liquids, viscous liquids, strong acid and strong alkaline liquids (optional accessories)
- Equipped with a special windproof and dustproof cover, which is convenient to assemble and durable
- Standard RS232 data output function, easy to connect PC and printer