

analytical balance with optional static eliminator

Analytical balance is a high-precision weighing equipment designed for micro-weighing tasks in scientific research, pharmaceutical, chemical, food and other laboratory and industrial environments.

Analytical balances are equipped with advanced electromagnetic sensors and fully automated calibration systems to ensure high accuracy, stability and repeatability for precise quality control and analysis of samples. The wide range of application scenarios of analytical balances include weighing of powders, particles and liquids as well as a variety of unit conversions and statistical analyses, which can efficiently meet the various needs of laboratories.

Main Features of Analytical Balance

1. high precision graduations: with 0.01mg or 0.1mg graduations, it can accurately measure the mass of tiny objects, suitable for scientific research and industrial applications requiring high precision.
2. highly integrated electromagnetic sensor: built-in highly integrated electromagnetic force sensor, to ensure the accuracy and stability of the weighing results, and rapid response to adapt to the rapid addition of samples operation.



3. Automatic internal calibration: Equipped with automatic timing calibration system, automatically calibrated according to environmental changes, to ensure the accuracy of each weighing and reduce human error.
4. Multi-functional application modes: support common counting, percentage weighing, animal weighing, density determination and other weighing modes, which can meet different experimental needs.
5. unit conversion function: support free conversion between units, including grams (g), milligrams (mg), carats (ct), ounces (oz), etc., flexible to adapt to a variety of experimental needs.
6. formula database: built-in 99 formula storage function, convenient for quantitative weighing and formula management.
7. Records and data management: conforms to the GLP and ISO format weight record keeping, including date, time and serial number and other information, convenient for quality traceability and report generation.
8. Multi-language support: Support English, German, French, Italian, Spanish, Portuguese and other languages, convenient for users in different countries and regions.
9. safety design: equipped with overload alarm, fault alarm and level indicator, to ensure that the equipment in the normal operating range, to avoid damage or disallowed due to misuse or changes in the external environment.
10. Keyboard protection: equipped with plastic protective film, effectively prevent stains or damage, prolong the service life of the equipment.

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Model	B30A	B31A
Capacity	62g, 120g	82g, 220g
Readability	0.01mg, 0.1mg	
Repeatability	±0.03mg, ±0.1mg	±0.05mg, ±0.1mg
Linearity	±0.08mg, ±0.2mg	±0.1mg, ±0.2mg
Calibration Method	Internal	Internal
Typical Stabilization Time	≤6 seconds	
Weighing Pan Size	diameter 80mm	
Baud Rate	300, 600, 1200, 2400, 4800, 9600	
External Dimensions	345mmx216mmx345mm	
Weight	5.8kg	

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Model	B30A	B31A
Power Supply	input: 100 to 230Vac, 50Hz, output: 12Vdc, 1A	
Note	Internal means Fully Automatic Internal Calibration	