

### **precision balance with built-in rs232 communication port**

The core components of the precision balance adopt advanced gold-plated ceramic sensors and a series of optimized designs to ensure its stability, fast response and high accuracy.

#### **Main Features of Precision Balance**

1. Graduated value: the graduated value is 1mg, which can be accurate to the milligram level, suitable for weighing tasks that require a high degree of accuracy.
2. Gold-plated ceramic sensor: the balance is equipped with a gold-plated ceramic variable capacitance sensor, which ensures high accuracy and fast response of the weighing results, as well as strong stability.
3. High-precision humidity sensor: Equipped with high-precision humidity sensor, it can effectively reduce the interference of environmental humidity changes on the weighing results.
4. high sensitivity temperature sensor: temperature sensor can effectively reduce the impact of temperature fluctuations on the balance, to ensure the consistency of weighing results in different environmental conditions.



5. Cost-effective design: While maintaining high accuracy, the optimized design ensures high cost-effectiveness and is suitable for a wide range of weighing tasks.
6. LCD liquid crystal display: equipped with clear and bright LCD liquid crystal display, reasonable layout, convenient for users to read the weighing results quickly and accurately.
7. Transparent glass windshield: windshield not only prevents the interference of air flow on the sample, but also makes the sample in the weighing process visualization, and can be disassembled and cleaned, easy maintenance.
8. a variety of weighing unit conversion function: free to switch between different units, such as grams (g), carat (Ct), ounces (oz), to improve the user's ease of operation.
9. Multiple weighing modes: Provide basic weighing, counting weighing, percentage weighing, checkweighing mode and other functions to meet different weighing needs.
10. Optimized product structure design: Streamline shape design is not only beautiful, but also improves the strength of the balance. The equipment has the characteristics of anti-leakage, anti-static and anti-corrosion, which is suitable for a variety of working environments.
11. RS232 bidirectional communication interface: with RS232 interface, can be connected with computer, micro printer and other equipment to realize bidirectional transmission of data, suitable for a variety of data recording and management system.

## Advantages

1. high accuracy and stability: the combination of gold-plated ceramic sensor and high-precision temperature and humidity sensor ensures that the balance can provide accurate and stable weighing results in various environments.
2. fast response: the use of advanced sensing technology, so that the balance has a rapid response capability, saving operating time, improve work efficiency.
3. easy to operate: LCD screen and a variety of weighing modes design, make the operation more simple and intuitive, the user can complete the accurate weighing without complex settings.
4. Strong durability: Optimized structural design and anti-leakage, anti-static materials make it still maintain stability in long time use.
5. strong compatibility: built-in RS232 interface, can be easily connected with computers and printing equipment, to realize automated data processing and recording.

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<b>Model</b>	<b>BE120</b>	<b>BE220</b>	<b>BE320</b>	<b>BE420</b>	<b>BE520</b>	<b>BE620</b>
Capacity	120g	220g	320g	420g	520g	620g
Readability	1mg					
Repeatability	±1mg					
Linearity	±1mg					
Calibration Method	External					
Typical Stabilization Time	≤2.5 seconds					
Weighing Pan Size	diameter 115mm					
Weighing Chamber Height	210mm					
Baud Rate	300, 600, 1200, 2400, 4800, 9600					
External Dimensions	210mmx310mmx316mm					

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Power Supply	input: 220Vac, 50Hz, output: 7.5Vdc, 600mA					
Note	External means External Weight Calibration					