

**ANALYXA**

PRECISION INSTRUMENTS

# WB3-I Series

**High Precision Balance**

## Engineered for Excellence

The WB3-I Series Precision Balance by Analyxa represents the pinnacle of precision weighing technology, engineered for demanding laboratory environments where accuracy and reliability are non-negotiable. Combining advanced sensor technology with user-friendly operation, the WB3-I Series delivers consistent 1mg (0.001g) resolution across its full capacity range.

Designed with versatility in mind, the WB3-I Series offers multiple capacity models — from 110g to 310g — as well as the dual-range WB3-I(103+) model (110g/610g) for laboratories requiring flexibility without compromising precision. Whether your work involves pharmaceutical compounding, chemical analysis, gemology, or quality control, the WB3-I Series is the ideal weighing partner.

The balance features a robust draft shield housing that protects samples from air currents, ensuring stable readings in real-world lab conditions. Its initiative LCD display & dual power supply (AC adapter +AA battery backup) keep your workflow uninterrupted.



## Key Features

### **1mg High Precision**

Achieve consistent 0.001 g resolution for accurate analytical results every time.

### **Dual Power Supply**

Operates on both AC adapter and AA batteries (×3) for uninterrupted use anywhere.

### **Tare Function**

Quickly zero out container weight to measure net sample weight with ease.

### **Piece Counting**

Accurately count identical parts or items using the built-in counting function.

### **Multi-Unit Conversion**

Switch effortlessly between grams (g), carats (ct), and ounces (oz).

### **Draft Shield Protection**

Full enclosure draft shield (240×195×265mm) guards against air disturbance.

### **Overload Alarm**

Built-in alarm instantly alerts users when the maximum capacity is exceeded.

### **Level Indicator**

Built-in bubble level ensures the balance is always perfectly leveled for accurate readings.

### **RS232C Communication**

Standard RS232C interface enables seamless data transfer to computers and printers.

# Technical Specifications

## WB3-I Series — Model Comparison

Select the model that best matches your laboratory's capacity and precision requirements.

Specification	WB3-I(103)	WB3-I(203)	WB3-I(303)	WB3-I(103+)
Capacity	110g	210g	310g	110g / 610g
Resolution	0.001g (1 mg)	0.001g (1 mg)	0.001g (1 mg)	0.001g / 0.01g
Min Weighing	0.004g	0.004g	0.004g	1d – 4d
Repeatability	±0.002g	±0.002g	±0.002g	±2d
Linearity	±0.003g	±0.003g	±0.003g	±3d
Stable Time	≤3s	≤3s	≤3s	≤3s
Pan Size	φ90mm	φ90mm	φ90mm	φ110mm
Draft Shield Size	240×195×265mm	240×195×265mm	240×195×265mm	240×195×265mm
Appearance Size	270×200×270mm	270×200×270mm	270×200×270mm	270×200×270mm
Calibration	External	External	External	External
Cal. Weight	1 00g	200g	200g	200g
Communication	RS232C	RS232C	RS232C	RS232C
Packing Size	360×265×350mm	360×265×350mm	360×265×350mm	360×265×350mm
Gross Weight	4kg / 16kg (×4)			

## Ideal For

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### **Pharmaceutical Labs**

Precise dispensing and compounding of active ingredients ensuring safety and compliance.

### **Gemology & Jewelry**

Carat-accurate measurement for grading and pricing precious stones and metals.

### **Chemical Research**

Reliable mass measurement for meticulous reagent preparation and

### **Quality Control**

Consistent weight verification in stringent manufacturing and production

## Optional Accessories & Add-Ons

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Customize your WB3-I Series balance with these optional enhancements to perfectly suit your workflow needs.

 **Dual Display** — External secondary display for convenient operator viewing from any angle

 **Data Interface** — Enhanced connectivity module for lab data management systems

 **Thermal Printer** — Dedicated printer for automatic weight record-keeping & documentation

 **Protective Dust Cover** — Keeps the balance clean and protected when not in use

# Why Choose Analyxa?

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## Trusted Precision

Analyxa instruments are built for laboratories where measurement accuracy directly impacts results, safety, and operational excellence.

## Reliable Support

Our dedicated technical team provides comprehensive after-sales service, regular calibration support, and expert application guidance.

## Smart Value

Achieve premium analytical performance at a highly competitive price point — without ever compromising on component quality or durability.

