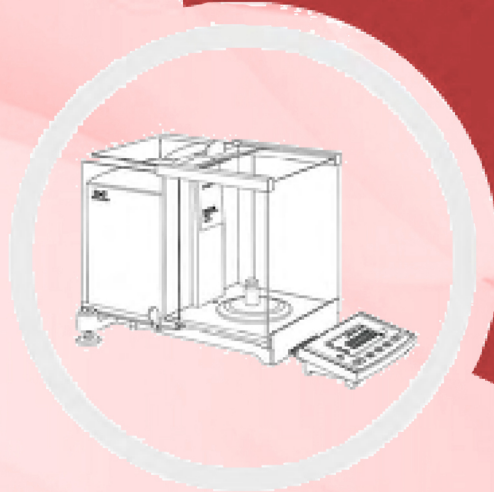





















# OUR PRODUCT



*Exzellenz* Series  
Weighing Balances

Type	Series	Model	Picture	1µg	0.01mg	0.1mg	0.2mg	1mg	5mg	0.01g	0.1g	
Precision Electronic Balance / Excellence II Balance	Exzellenz	XZ-A						120g 220g 320g 420g 520g 620g 820g 1020g				
		XZ-B								1200g 2200g 3200g 4200g 5200g 6200g 8200g 10200g		
	XS	XS-A						120g 220g 320g 420g 520g 620g 820g 1020g				
		XS-B								1200g 2200g 3200g 4200g 5200g 6200g 8200g 10200g		
Analytical Balance / Semi-micro Balance	Exzellenz	XZ-E			31g 51g 82g 120g	120g 210g 220g 320g						
		XZ-J				120g 220g						
	XS	XS-E			31g 51g 82g 120g	120g 210g 220g 320g						
		XS-J				120g 220g						
Micro Balance	Exzellenz	XS-H		2.1g 5.1g	30g							
Industrial Balance	XS										8kg 12kg 16kg 20kg 30kg	
Special Balance	Jewelry Balance (Carat Balance)	XZ					60g (300ct) 120g (600ct)					
		XS					60g (300ct) 120g (600ct)					
	Paint-mixing Balance	XS-P									5kg 8kg 10kg 20kg 30kg	
	Check Weighing Balance									3200g 4100g 5000g		
	Density Balance	XZ-D					120g 210g		120g 200g 310g 410g			
		XS-D					120g 210g		120g 200g 310g 410g			
Moisture Analyzer	Exzellenz	XZ-F				120g/0.1mg/0.001%		120g/1mg/0.01%				
	XS	XS-F				120g/0.1mg/0.001%		120g/1mg/0.01%	120g/5mg/0.01%			
On-line Weighing and Module	XS	XS-L				120g 200g		320g		3200g	10kg	

0.5g	1g	2g	10g	20g	Range of Application
					Precision weighing in laboratory and production environment.
					Analysis and inspection of micro samples. With ultra high resolution.
					Quality control in laboratory, chemical laboratory, medical device research, etc.
50kg 60kg	100kg 150kg	200kg 500kg	1000kg	2000kg	Weighing in industrial measurement, special metal alloys, special parts, etc.
					Precision weighing in precious metals and jewelry.
					Auto repair, paint-mixing coating-mixing, etc.
					3 color sound and light alarm, upper and lower limits can be set freely. (applicable to the quality inspection of the production process)
					Rubber, wire and cable, aluminum products, PVC pearls, etc.
					Testing free water for food, feed, paper making, tobacco and other industries.
					Lithium battery production, electronic parts, pharmaceutical production and packaging, oil and other industries.

Precision Electronic Balance / Excellence II Balance

Analytical Balance / Semi-micro Balance

Micro Balance

Industrial Electronic Balance

Special Balance

Density Balance

Moisture Analyzer

Mass Comparator

On-line Weighing and Module

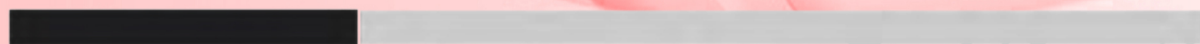
# Balance

## for Professional Scope

The main function of an electronic balance is to weigh samples. There are also some special scales designed for the needs of some industries, such as the Jewelry Balance (Carat Balance), Density Balance (Specific-Gravity Balance), Paint-Mixing Balance, and Check weighing Balance, etc.

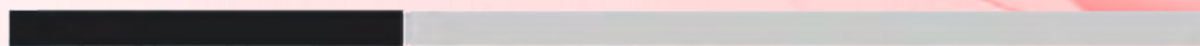
### Jewelry Balance

Weighing precious metals and jewelry accurately



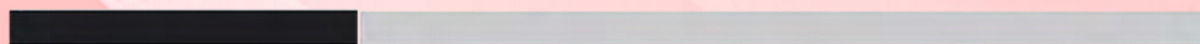
### Paint-Mixing Balance

Paint-mixing, coating-mixing, auto repair, etc.



### Check Weighing Balance

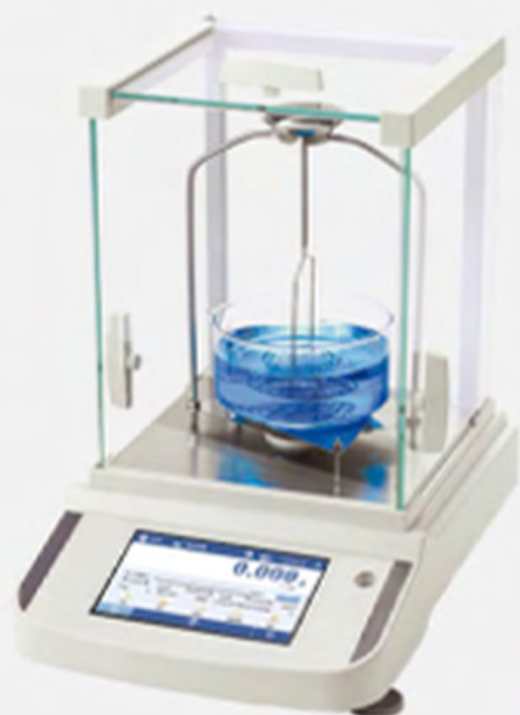
Quality inspection in the production process



### Density Balance

Rubber, wire and cable, aluminum products, PVC, etc.





# Jewelry Balance (Carat Balance)



## Product overview >

Jewelry Balance adopts electromagnetic force sensor, with the features of high weighing speed, high precision & stability, convenient operation & maintenance. It can be connected with computer, printer and other external devices. Work efficiency is high. According to different weighing environment, Jewelry Balance is divided to Carat Balance for high precision weighing and Gold Balance for precious metals weighing.

## Optional functions and accessories >

- Optional portable microprinter



Parts counting function



Weighing function



Percent weighing function

## Exzellenz II series ▶

- Adopt unique electromagnetic sensor;
- Multi-group applicable parameter preinstalled and multi-group formula parameter prestored;
- Transparent glass windshield, sample seen clearly;
- Min. Capacity display, real-time display, graphical printing;
- USB port mouse or wireless mouse can be matched with the balance, simple operation as computer;
- Various weighing modes: weighing mode, check weighing mode, percent weighing mode, parts counting mode, density determination mode, etc;
- Advanced user management functions, The administrator can set the access rights of different menus to protect the important weighing parameter settings from being modified;
- USB port can be matched with the balance. Weighing data can be directly output to U disk by excel form, and transform to various document format.
- Built-in solid/liquid density reading program, the sample's density, volume, and liquid concentration can be easily measured (Assembly professional density components);
- RS232/485 interface for bidirectional communication between balances and computers, printers, PLCs and other external devices;
- Automatic calibration system, to ensure accurate weighing: when the temperature variation exceeds 1.5 °C or calibration time exceeds 2 hours, the balance will start the calibration function. Avoid the potential factors of not carrying out regular calibration or inaccurate external calibration weights, make the weighing results more accurate and reliable, and reduce unnecessary operations (only for internal calibration type balance);



## Application industry

This series is widely used in jewelry manufacturing, jewelry appraisal & sales and other related industries.

## Transparent glass windshield



- ⊙ Transparent glass windshield, sample can be seen clearly;
- ⊙ Avoid contamination of samples



## RS232/485 interface



- ⊙ Realized bidirectional communication between balances and computers, printers, PLCs and other external devices;
- ⊙ Realized graphic data printing, keep weighing results at any time

- ⊙ When weighing, the scale should be displayed as a column chart, and the weight should be displayed as the graph of the maximum weight percentage of the scale. This function can visually and easily read the changes of the weighing sample.

## Jewelry Balance product parameters (XZ series)

Model	XZ300ct	XZ600ct
Max.Capability	300ct (60g)	600ct (120g)
Readability	0.001ct (0.0002g)	
Repeatability	0.001ct (0.0002g)	
Linearity Error	0.001ct (0.0002g)	
Operational Temperature Range	13~25°C	
Operational Moisture Range	10%~70% RH	
Response time (average)	2.5s	
Accuracy Class	I class	
Weighing Pan size	Φ90mm	
Baud Rate Options	300 600 1200 2400 4800 9600	
External Dimension	230 x 310 x 340mm	
Power Adapter	AC220-240V, 60Hz	
Interface	2 USB port, Ethernet 10/100mbps, RS232 interface	

# Jewelry Balance (Carat Balance)



## Product overview >

Jewelry Balance adopts electromagnetic force sensor, with the features of high weighing speed, high precision & stability, convenient operation & maintenance. It can be connected with computer, printer and other external devices. Work efficiency is high. According to different weighing environment, Jewelry Balance is divided to Carat Balance for high precision weighing and Gold Balance for precious metals weighing.

## Optional functions and accessories >

Optional portable thermal printer >



Weighing mode



Parts counting mode



Percent weighing mode

## XS series >

- ◇ High-performance electromagnetic force sensor.
- ◇ Super-sensitive temperature sensor, minimize the sensitivity of temperature change;
- ◇ LCD display panel, bright and clear, provides user with easy operation and read;
- ◇ Various weighing modes: parts counting mode, percent weighing mode
- ◇ Min. Capacity display, real-time display, graphical data printing;
- ◇ Various weighing units: milligrams, grams, kilograms, ounces, pounds, carats, etc.

Optimized micro-adding and weighing function - the latest digital processing technology is adopted to maintain the stability of the balance reading and greatly improve the response speed to the micro-adding, so as to keep the same adding amount and balance reading. Suitable for powder and liquid micro addition, with excellent accuracy;

## > Two weighing units can be switched freely

g  
ct

Operation is more convenient and efficient



## Application industry

This series is widely used in jewelry manufacturing, jewelry appraisal & sales and other related industries.



## Stainless steel weighing pan



- ⊙ Not easily affected by vibration, ensure the accuracy of weighing;
- ⊙ Stainless steel weighing pan, strong and stable corrosion resistant;
- ⊙ Make the weighing items stable and not inclined.

## Micro-adding and weighing function



- ⊙ The latest digital processing technology is adopted to improve the response speed to the micro-adding;
- ⊙ To keep the same adding amount and balance reading.



- ⊙ LCD display panel, bright and clear, provides user with easy operation and read.

### Jewelry Balance product parameters (XS series) ▶

Model	XS300ct	XS600ct
Max.Capability	300ct (60g)	600ct (120g)
Readability	0.001ct (0.0002g)	
Repeatability	0.001ct (0.0002g)	
Linearity Error	0.001ct (0.0002g)	
Operational Temperature Range	13~25°C	
Operational Moisture Range	10%~70% RH	
Response time (average)	2.5s	
Accuracy Class	I class	
Weighing Pan size	Φ90mm	
Baud Rate Options	300 600 1200 2400 4800 9600	
External Dimension	230 x 310 x 210mm	
Interface	AC220-240V, 60Hz	
Power Adapter	RS232 interface	

# Paint-mixing Balance

## Product overview >

Paint-mixing Balance is suitable for fast and accurate paint-mixing. It can also be used as an independent platform scale. The covered edge design of stainless steel weighing pan can protect the balance from contamination and effectively prevent paint or coating leakage.

This series is widely used in auto repair, paint-mixing, coating-mixing etc.



## Product highlights >

- ◆ Adopts gold-plated ceramic variable capacitance sensor;
- ◆ Sequential cumulative batching system;
- ◆ Coefficient calculation batching system;
- ◆ Anti-solvent housing for durability;
- ◆ The covered edge design of weighing pan can protect the balance from contamination;
- ◆ Over-load protection design suitable for paint-mixing and coating-mixing under harsh environment;
- ◆ LCD display panel, bright and clear, provides user with easy operation and read;
- ◆ Standard RS232 interface for bidirectional communication between balances and computers, printers and other external devices;
- ◆ Super sensitivity and accuracy, to ensure the most accurate injection of raw materials, ensure the accuracy of various color formula.



## Optional functions and accessories >

- Optional portable microprinter
- Optional explosion proof standard



Standard RS232 interface for bidirectional communication

Realized bidirectional communication between balances and computers, printers, PLC and other external devices;

## High efficiency mixing system



Provide complete solution

- ⊙ Suitable for paint-mixing and coating-mixing;
- ⊙ Sequential cumulative batching system;
- ⊙ Coefficient calculation batching system;
- ⊙ Provide scientific, accurate and efficient solutions;
- ⊙ Suitable for auto repair, paint-mixing, coating-mixing etc ;
- ⊙ Make the work more save trouble, labor, worry;
- ⊙ Provide complete solution for industrial production;
- ⊙ Download complete solution from <http://www.tjdat.com>.

### Weighing Mode ▶



Weighing mode



Parts counting mode




Percent weighing mode




Formular weighing mode

### Paint-mixing Balance main technical parameters (5-10k) ▶

Model	XS-P5K	XS-P8K	XS-P10K	
Max.Capability	5kg	8kg	10kg	
Readability	0.1g	0.1g	0.1g	
Repeatability	0.1g	0.1g	0.1g	
Linearity Error	0.1g	0.1g	0.1g	
Pan diameter	Φ240	Φ240	Φ240	
External Dimension	233 x 340 x385	233 x 340 x385	233 x 340 x385	

### Paint-mixing Balance main technical parameters (20-30k) ▶

Model	XS-P20K	XS-P30K	
Max.Capability	20kg	30kg	
Readability	0.1g	0.1g	
Repeatability	0.1g	0.1g	
Linearity Error	0.1g	0.1g	
Pan diameter	370 x 310	370 x 310	
External Dimension	370 x 310 x 400	370 x 310 x 400	

# Check Weighing Electronic Balance



## Product overview >

Check Weighing Electronic Balance adopts gold-plated ceramic variable capacitance sensor, with the features of high precision & stability, fast response, easy maintenance, large weighing capacity and multiple functions.

This series is widely used in laboratory and industry of food, medicine, chemical and metalwork etc.

## Optional functions and accessories >

- ⊗ Optional below hook weighing device
- ⊗ Optional portable microprinter
- Below hook weighing device    ● Portable microprinter



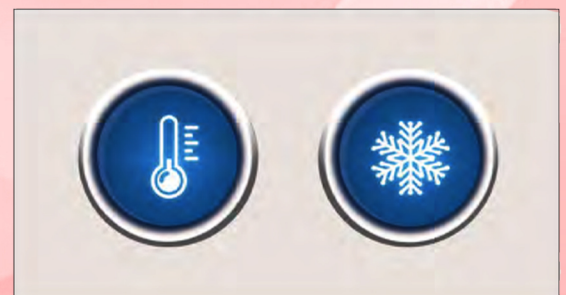
## Product highlights >

- ◇ Adopts gold-plated ceramic variable capacitance sensor;
- ◇ LCD display panel, bright and clear, provides user with easy operation and read;
- ◇ Highly precision humidity sensor enable to minimize effect of moisture on operation;
- ◇ Highly sensitive temperature sensor enable to minimize effect of temperature on operation;
- ◇ Customer can set the upper and lower weight limits according to their own requirements;
- ◇ Connect with external alarm lamp, realize the three-stage weight warning alarm function;
- ◇ Counting function, upper and lower weight limits of weight checking function, cumulative weighing function, multiple unit conversion functions;
- ◇ Standard RS232 interface for bidirectional communication between balances and computers, printers and other external devices.



### RS232 communication interface

Realize communication between balances and computers, printers, PLC and other external devices.



Adopts temperature and humidity sensor  
Greatly reduce the interference of the external environment, measurement results are accurate and reliable.

## Connect with external alarm lamp



- ⊙ Weighing range and tolerance range can be set;
- ⊙ Can open the buzzer alarm;
- ⊙ Three colour, three-stage LED weight checking indicator.

## Provide complete solution



- ⊙ Suitable for industry of food, medicine, chemicals, packaging logistics, etc ;
- ⊙ Professional Check weighing Balance with fast response and stable, easy to clean, strong, durable and other advantages;
- ⊙ Provide complete solution for industrial production;

### Weighing Mode >



Weighing mode



Parts counting mode



Percent weighing mode



Check weighing mode

### Check Weighing Balance product parameters ▶

Model	XS3200C	XS4100C	XS5000C
Max.Capability	3200g	4100g	5000g
Readability	0.01g		
Repeatability	0.01g		
Linearity Error	0.01g		
Operational Temperature Range	13~25°C		
Operational Moisture Range	10%~70%RH		
Response time (average)	2.5s		
Accuracy Class	II class		
Weighing Pan size	Φ160		
External Dimension	230 x 310 x 90		
Preheat Time	20-30 min		
Power Adapter	AC220-240V, 60Hz		
Baud Rate Option	300 600 1200 2400 4800 9600		