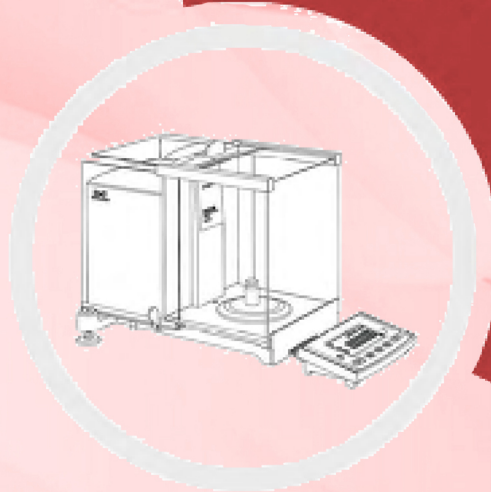





















OUR PRODUCT



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

Analytical Balance / Semi-micro Balance



Analytical Balance XZ-E

0.01mg readability
weighing range from 31g to 120g.
0.1mg readability
weighing range from 120g to 320g.

0.1mg readability
weighing range:120g ,220g.

Analytical Balance XZ-J



0.1mg readability
weighing range:120g , 220g.

Analytical Balance XS-J



Analytical Balance XS-E

0.01mg readability
weighing range from 31g to 120g.
0.1mg readability
weighing range from 120g to 320g.



Exzellenz II Series

Professional Analytical Balance / Semi-micro Balance (XZ-E)



Product overview >

D&T Electronic Analytical Balance adopts the internationally recognized highly sensitive and stable rear type electromagnetic force sensor. Its special features lie in large operating space, fashionable appearance, exquisite craftsmanship, excellent texture and most competitive price, which makes it rank first among similar products. Its stable performance can meet the precision weighing requirements of a wide range of laboratories.

Semi-micro balances are designed to reach up to 0.01mg readability, with weighing range from 31g to 120g.

The balances are widely used in scientific research, education, medical, metallurgy, agriculture and other industries.

Optional functions and accessories >

- > Optional portable microprinter
- > Optional solid and liquid density components



Parts counting function



Density determination function



Weighing function



Percent weighing function



Check weighing function



Dynamic weighing function

Excellence series >

- ◇ Linux operating system supports on-line update of system;
- ◇ 7" intelligent capacitive touch screen, clear operational interface, short-cut icon and menu navigator;
- ◇ Rear type electromagnetic force 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 data printing;
- ◇ 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;
- ◇ 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.
- ◇ 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, dynamic weighing 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;
- ◇ Equipped with advanced infrared sensors, do not touch the balance can be operated with common functions, improving the weighing efficiency and reducing the contact with the balance panel.
- ◇ The unique detachable design separates the display unit from the weighing unit to avoid the vibration of the balance when the key is operated. It can be used for monitoring the weighing process from multiple angles.
- ◇ Built-in solid/liquid density direc-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 changed 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);



Blew Hook Weighing Device

Below weighing available, suitable for weighing large objects, unique weighing mode, easier for weighing.



Standard USB port and RS232/485 interface

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

Exzellenz II Series

Standard Analytical Balance / Semi-micro Balance (XZ-J)



Product overview >

Electronic Analytical Balance adopts the internationally recognized highly sensitive and stable rear type electromagnetic force sensor. Its special features lie in large operating space, fashionable appearance, exquisite craftsmanship, excellent texture and most competitive price, which makes it rank first among similar products. Its stable performance can meet the precision weighing requirements of a wide range of laboratories.

XZ-J series balances are designed to reach up to 0.1mg readability, with weighing range from 120g to 220g.

The balances are widely used in scientific research, education, medical, metallurgy, agriculture and other industries.

Optional functions and accessories >

- > Optional solid and liquid density components
- > Optional portable microprinter



Parts counting function



Density determination function



Weighing function



Percent weighing function



Check weighing function



Dynamic weighing function

Excellence series >

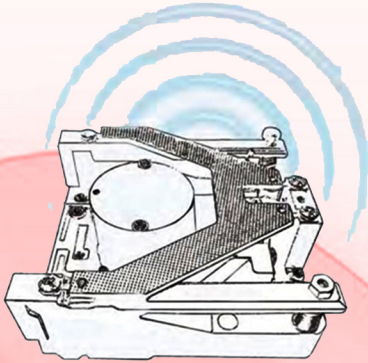
- > Adopt unique electromagnetic sensor;
- > Transparent glass windshield, sample seen clearly;
- > Linux operating system supports on-line update of system;
- > 5" intelligent capacitive touch screen, clear operational interface, short-cut icon and menu navigator;
- > Multi-group applicable parameter preinstalled and multi-group formula parameter prestored;
- > Min. Capacity display, real-time display, graphical printing;
- > USB port mouse or wireless mouse can be matched with the balance, simple operation as computer;
- > 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.
- > Advanced user management functions, The administrator can set the access rights of different menus to protect the important weighing parameter settings from being modified;
- > Various weighing modes: weighing mode, check weighing mode, percent weighing mode, parts counting mode, density determination mode, dynamic weighing mode, etc;
- > Built-in solid/liquid density direct-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);

Graphic data printing (Sample of printing module)

Standard printing included 3 parts: header, data, footer. Each part can be adjusted, Ensure that different requirements are met.

Weighing	
Company name: Tianjin DAT Transducer Technology Co., Ltd.	
2018-12-13 15:49:42	
Application :	Weighing
Result :	0.0000 g
Gross Weight :	0.0000 g
Net Weight :	0.0000 g
Tare Weight :	0.0000 g
Min.Capability :	0.5000 g
Model No :	EX-J124
Serial No :	1234567890
Project Name :	0
Signature :	

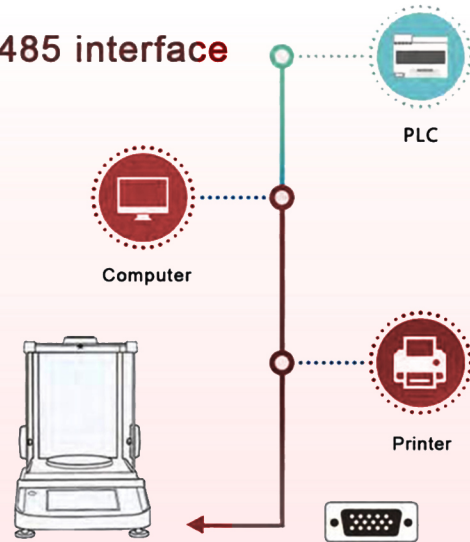
Electromagnetic sensor



- ⊙ High precision, high resolution electromagnetic sensor;
- ⊙ Impact resistance, high strength excellent performance;
- ⊙ Can calibrate errors caused by environmental and temperature changes;
- ⊙ Ensure the accuracy of weighing.



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.

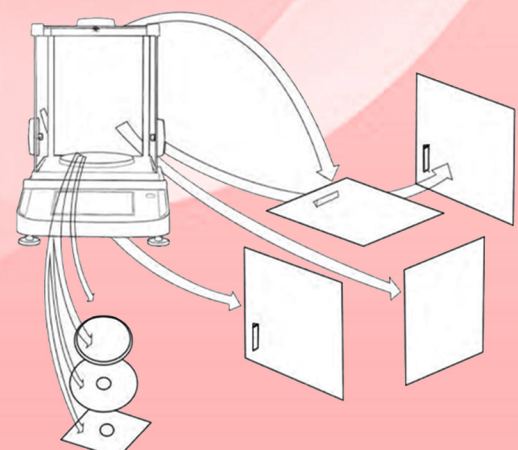
- ⊙ When weighing, the scale should be displayed as a column chart and the weight should be displayed as the graph of the maximum weight percentage of the scale. This function can visually and easily read the changes of the weighing sample.

XZ-J series product parameters (0.1mg readability Analytical Balance) ▶

Model	XZ-J124	XZ-J224	XZ-J124A	XZ-J224A
Max.Capability	120g	220g	120g	220g
Readability (d)	0.1mg	0.1mg	0.1mg	0.1mg
Repeatability (≤)	±0.2mg			
Linearity Error (≤)	±0.2mg			
Net Weight	3.5kg			
Calibration mode	External weight calibration		Full automatic Internal calibration	
Stabilization Time	2.5s			
Warm-up Time	30-60min			
Weighing Pan (Stainless Steel)	Φ90mm			
Permissible Ambient Condition	+10°C to +30°C			
Humidity of Air	20-85% Relative (Not condensing)			
Interface	2 USB standard ports, RS232 interface			



- ⊙ XZ-J series Analytical Balances are designed on the latest electronic module and technology. Automatic calibration of internal weights triggered by temperature change and time setting, ensures accurate weighing results.



Analytical Balance / Semi-micro Balance (XS-E)

Product overview >

Alpinum Prazision Analytical Balance adopts the internationally recognized highly sensitive and stable rear type electromagnetic force sensor. Its special features lie in large operating space, fashionable appearance, exquisite craftsmanship, excellent texture and most competitive price, which makes it rank first among similar products. Its stable performance can meet the precision weighing requirements of a wide range of laboratories.

Semi-micro balances are designed to reach up to 0.01mg readability, with weighing range from 31g to 120g.

Optional functions and accessories >

- Optional portable microprinter



Weighing mode



Parts counting mode



Percent weighing mode



XS series ▶

- ◇ Adopt rear type electromagnetic sensor;
- ◇ Transparent glass windshield, sample seen clearly;
- ◇ Large LCD display panel, bright and clear, provides user with easy operation and read.
- ◇ The unique detachable design separates the display unit from the weighing unit to avoid the vibration of the balance when the key is operated. It can be used for monitoring the weighing process from multiple angles.
- ◇ 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;
- ◇ Various weighing modes: weighing mode, percent weighing mode, parts counting mode, etc;
- ◇ Various weighing unit conversion functions: grams, carats, ounces and other units of free switching, suitable for various requirements of the weighing work;
- ◇ RS232 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);



Stainless steel pan
More stable not easy to be tilted & vibrated the weighing results are more accurate.



Blew Hook Weighing Device
Below weighing available, suitable for weighing large objects, unique weighing mode, easier for weighing.



Portable microprinter
Graphic data printing keep the printout at all times.

Analytical Balance / Semi-micro Balance (XS-E)



XS-J

Product overview >

Alpinum Prazision Analytical Balance adopts the internationally recognized highly sensitive and stable rear type electromagnetic force sensor. Its special features lie in large operating space, fashionable appearance, exquisite craftsmanship, excellent texture and most competitive price, which makes it rank first among similar products. Its stable performance can meet the precision weighing requirements of a wide range of laboratories.

XS-J series balances are designed to reach up to 0.1mg readability, with weighing range from 120g to 220g.

The balances are widely used in scientific research, education, medical, metallurgy, agriculture and other industries.

Optional functions and accessories >

- Optional portable microprinter



Weighing mode



Parts counting mode

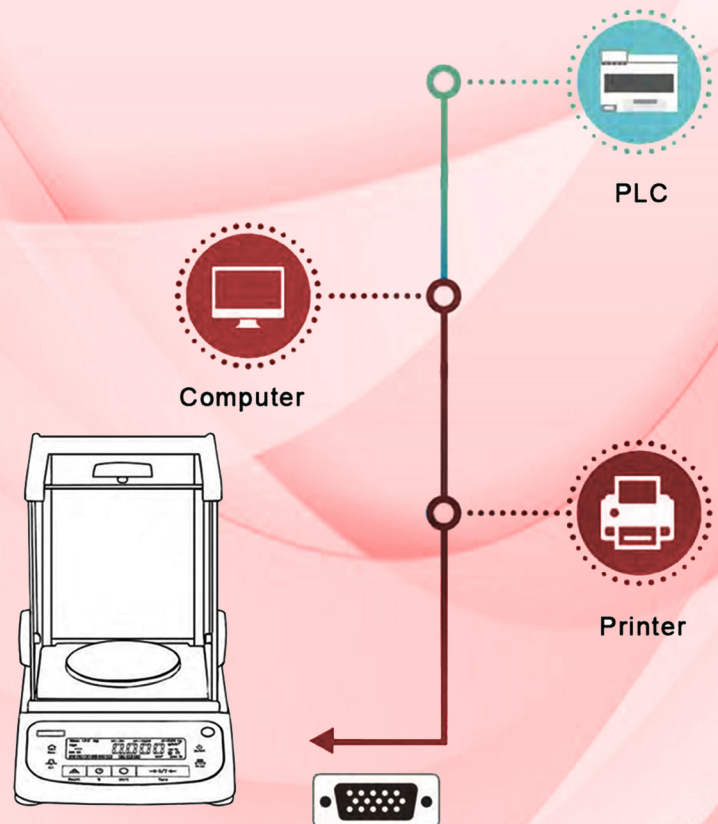


Percent weighing mode



ES series >

- Adopt unique electromagnetic sensor;
- Transparent glass windshield, sample seen clearly;
- Various weighing modes: weighing mode, percent weighing mode, parts counting mode, etc;
- Large LCD display panel, bright and clear, provides user with easy operation and read.
- Various weighing unit conversion functions: grams, carats, ounces and other units of free switching, suitable for various requirements of the weighing work;
- RS232 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).



Transparent glass windshield



- ⊙ High precision, high resolution electromagnetic sensor;
- ⊙ Impact resistance, high strength excellent performance;
- ⊙ Can calibrate errors caused by environmental and temperature changes;
- ⊙ Ensure the accuracy of weighing.

- ⊙ Using high sensitivity temperature sensor;
- ⊙ Automatic calibration when the temperature variation exceeds 1.5 °C;
- ⊙ Automatic calibration when last calibration time exceeds 2 hours;
- ⊙ The user's weighing result is more accurate and reliable, reduces the unnecessary operation.

Provide complete weighing solution



- ⊙ Suitable for the research in science, education, etc ;
- ⊙ Provide complete solution for laboratory research and industrial production;
- ⊙ Download complete solution from <http://www.tjdat.com>.



Automatic calibration when the temperature variation exceeds 1.5 °C;



Automatic calibration when last calibration time exceeds 2 hours;

XS-J series product parameters (0.1 mg readability Analytical Balance) ▶

Model	XS-J120	XS-J220	XS-J120A	XS-J220A
Max.Capability	120g	220g	120g	220g
Readability (d)	0.1mg	0.1mg	0.1mg	0.1mg
Repeatability (≤)	±0.2mg			
Linearity Error (≤)	±0.2mg			
Net Weight	3.5kg			
Calibration mode	External weight calibration		Full automatic Internal calibration	
Stabilization Time	2.5s			
Warm-up Time	30-60min			
Weighing Pan (Stainless Steel)	Φ90mm			
Permissible Ambient Condition	+10°C to + 30°C			
Humidity of Air	20-85% Relative (Not condensing)			
Power Supply Input Voltage	AC220-240V, 60Hz			
Interface	RS232 interface			