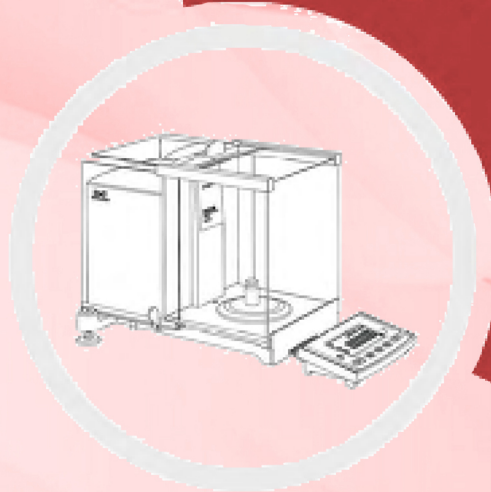





















OUR PRODUCT



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

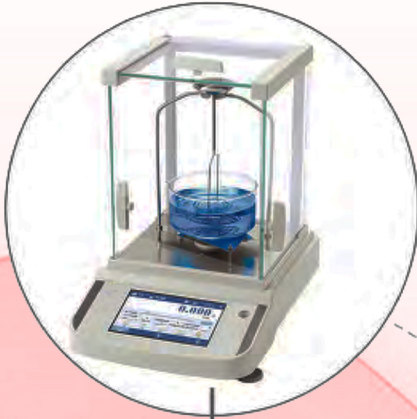
Density Balance

Moisture Analyzer

Mass Comparator

On-line Weighing and Module

Density Balance



XZ-D

Readability: 0.1mg-1mg
Max.Capability: 120g-410g

Readability: 0.1mg
Max.Capability: 120g-210g

XS-D



Readability: 1mg
Max.Capability: 120g-410g

Solid & Liquid Density Balance



Gold Density Balance

Readability: 1mg
Max.Capability: 120g-410g

Main functions/applicable range/standards >

	Main functions	Applicable range	Standards
Solid Density Balance	Weight, density and volume measurement	Materials research laboratories for rubber, wire and cable, aluminum products, PVC pearls, powder metallurgy, EVA foam materials, glass industry, metal products, precision ceramics, refractory materials, magnetic materials, alloy materials, mechanical parts, metal recycling, minerals and rocks, cement manufacturing, jewelry industry, etc.	<ul style="list-style-type: none"> ◇ ASTM D792 Plastic density and relative density testing methods; ◇ ASTM D297 Rubber products testing methods; ◇ GB/T2951 General testing methods for insulating and sheathing materials for electric wires and optical cables; ◇ GB/T3850 Sintered metal materials and hard alloy density testing methods; ◇ GB/T533 Density determination of vulcanized or thermoplastic rubber ; ◇ ISO2781 Density measurement of vulcanized or thermoplastic rubber ; ◇ ISO1183 Density determination of plastics and non - foam plastics; ◇ GB/T6155 Carbon materials vacuum density and true porosity testing methods; ◇ GB/T23561 Physical and mechanical properties determination of coal and rock; ◇ GB/T1713 Determination of pigment density; ◇ GB/T8929 Moisture content determination of crude oil; ◇ GB/T208 Cement density testing methods; ◇ GB/T5071 Refractory vacuum density testing methods; ◇ QB/T1010 Density determination of ceramic materials and pigments; ◇ GB/T9966 Natural facing stones testing methods; ◇ GB/T18556 Water, coal and slurry testing methods; ◇ GB/T24203 Carbon materials vacuum density and true porosity testing methods; ◇ HG/T2196-2004 Automotive rubber material classification system JIS; K6268 Density determination of vulcanized rubber;
Liquid Density Balance	Weight, density and volume measurement	Liquids, viscous liquids, volatile liquids, corrosive, liquids, hot liquids, suspension liquids, emulsified, liquids, alcohol, soldering flux, fragrances, blood, sodium chloride, glycerin, electrolyte, diesel, refrigerants, hydrofluoric acid, glue, chemical solution, modern energy, petroleum fuel, fine chemicals chemical reagents, chemical research laboratories. Suitable for density measurement in the fields of quality management, formula modulation, cost control, density study, etc. dichloromethane and other similar state of liquid can be	
Multi function Density Balance	<ul style="list-style-type: none"> ◇ For non-absorbent products: direct-reading of density and volume. ◇ For absorbent products: direct-reading of density, apparent porosity, water-absorption rate, open/close pore volume and total porosity. ◇ Wax-sealing method can read density directly. ◇ For absorbent products: direct-reading of water-absorption rate of water absorption material ◇ According to site operation habit, non-absorbent products can read density and volume directly. ◇ Direct-reading of density, porosity, wet density and volume of metallurgical products. ◇ Direct-reading of oil content, density and volume of sintered oil-retaining bearings. 	Materials research laboratories for powder metallurgy, minerals and rocks, EVA foam materials, precision ceramics, refractory materials, magnetic materials, mechanical parts, cement manufacturing, etc.	
Proportion Test of Gold and Platinum Purity	Gold purity, K value, Platinum, mixing ratio of two mixed metals	Gold, platinum, jewelry (jade, agate, etc.) silver mixing ratio of two mixed metals. Applicable to jewelry industry, banking, pawn industry, gold and precious metals research laboratories	

Density Balance



Product overview >

density balance adopts the archimedes principle and combines the features of electronic balance and density-testing device to test and determine density, volume and concentration of the samples with accuracy 0.1mg. Density value display on screen directly, greatly reduce the tedious manual conversion and human error. Operation is simple, direct, clear. It can meet density determination requirements of industrial application and scientific research.

Density Balance are widely used in electronic industry, rubber industry, plastic industry, wire and cable manufacturing industry, shoes, sporting goods, food, cosmetics industry, paper making, mechanical processing industry, powder metallurgy, tire manufacturing, automobile industry, research institute, chemical research institutions and other departments.

Optional functions and accessories >

- ▶ Optional below hook weighing device
- ▶ Optional portable microprinter
- ▶ Optional glass counterweight (for liquid density measurement)

Exzellenz series ▶

- ◆ Adopts gold-plated ceramic variable capacitance sensor;
- ◆ Density, volume, concentration and purity can be read directly, saving tedious calculation;
- ◆ Multi-group applicable parameter preinstalled and multi-group formula parameter prestored;
- ◆ Min. Capacity display, real-time display, graphical printing;
- ◆ Highly high precision humidity sensor enable to minimize effect of moisture on operation;
- ◆ Highly sensitive temperature sensor enable to minimize effect of temperature on operation;
- ◆ Linux operating system supports on-line update of system;
- ◆ 5" intelligent capacitive touch screen, clear operational interface, short-cut icon and menu navigator;
- ◆ Various weighing modes: 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.
- ◆ USB port mouse or wireless mouse can be matched with the balance, simple operation as computer;
- ◆ RS232/485 interface for bidirectional communication between balances and computers, printers, PLCs and other external devices;
- ◆ Built-in solid/liquid density reading program, the sample's density, volume, and liquid concentration can be easily measured (Assembly professional density components);
- ◆ Transparent glass windshield, sample seen clearly. It can be completely removed, cleaned and cleaned quickly (Only for over readability 1mg balances).

Density Balance display schematic diagram



Standard density determination parts



- Can determine the density of liquid, help you to complete the density testing;
- Solid density can be measured;
- Liquid density can be measured;
- Specific gravity purity of gold and platinum can be measured.

Standard USB port and RS232/485 interface



- Realized graphic data printing, keep weighing results at any time;
- Realized bidirectional communication between balances and computers, printers, PLCs and other external devices. Meet the needs of different users.

Weighing Mode >



Parts counting function



Density determination function



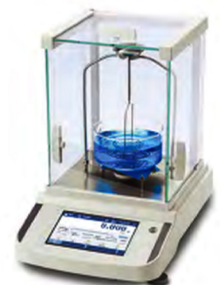
Weighing function



Percent weighing function

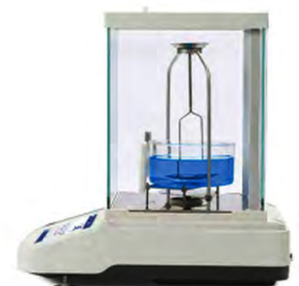
Density Balance XZ-D series main technical parameters >

Model	XZ103D	XZ203D	XZ303D	XZ403D
Max.Capability	120g	200g	310g	410g
Recommended sample weight	>20g	>20g	>20g	>20g
Readability	1mg	1mg	1mg	1mg
Density Readability	0.001g/cm ³	0.001g/cm ³	0.001g/cm ³	0.001g/cm ³
Repeatability	±1mg	±1mg	±1mg	±1mg
Linearity Error	±1mg	±1mg	±1mg	±1mg
Display	5 inch capacitive touch screen	5 inch capacitive touch screen	5 inch capacitive touch screen	5 inch capacitive touch screen
External Dimension	230 x 310 x 340	230 x 310 x 340	230 x 310 x 340	230 x 310 x 340



Density Balance XZ-D series main technical parameters >

Model	XZ104D	XZ204D
Max.Capability	120g	210g
Recommended sample weight	>10g	>10g
Readability	0.1mg	0.1mg
Density Readability	0.0001g/cm ³	0.0001g/cm ³
Repeatability	±0.2mg	±0.2mg
Linearity Error	±0.2mg	±0.2mg
Display	5 inch capacitive touch screen	5 inch capacitive touch screen
External Dimension	470 x 310 x 340	470 x 310 x 340



Density Balance

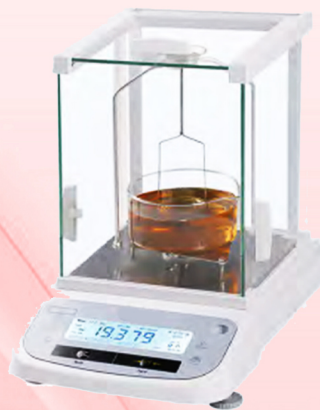
Product overview >

density balance adopts the archimedes principle and combines the features of electronic balance and density-testing device to test and determine density, volume and concentration of the samples with accuracy 0.1mg. Density value display on screen directly, greatly reduce the tedious manual conversion and human error. Operation is simple, direct, clear. It can meet density determination requirements of industrial application and scientific research.

Density Balance are widely used in electronic industry, rubber industry, plastic industry, wire and cable manufacturing industry, shoes, sporting goods, food, cosmetics industry, paper making, mechanical processing industry, powder metallurgy, tire manufacturing, automobile industry, research institute, chemical research institutions and other departments.



XS-D (0.1mg)



Solid/liquid density balance(1mg)



Gold balance(1mg)

Optional functions and accessories >

- ◊ Optional portable microprinter
- ◊ Optional below hook weighing device

- below hook weighing device
- portable microprinter



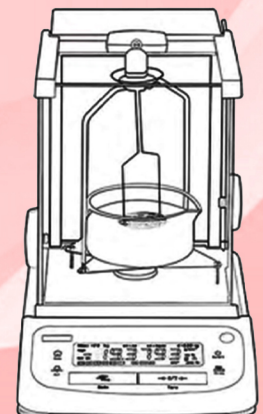
PLC



Computer



Printer



Product highlights >

- ◊ Adopts gold-plated ceramic variable capacitance sensor;
- ◊ Density, volume, concentration and purity can be read directly, saving tedious calculation;
- ◊ Highly precision humidity sensor enable to minimize effect of moisture on operation;
- ◊ Highly sensitive temperature sensor enable to minimize effect of temperature on operation;
- ◊ Solid density and solid volume can be measured. Liquid density and liquid concentration can be measured;
- ◊ Large LCD display panel, bright and clear, provides user with easy operation and read;
- ◊ Transparent glass windshield, sample seen clearly. It can be completely removed, cleaned and cleaned quickly;
- ◊ Streamlined design, high strength, strong anti-leakage, anti-static, anti-corrosion characteristics, suitable for a variety of occasions;
- ◊ Standard RS232 interface for bidirectional communication between balances and computers, printers and other external devices.

Stainless steel density measuring parts

Provide complete solution



- ⊙ All stainless steel parts, corrosion resistance, oxidation resistance;
- ⊙ Solid density can be measured;
- ⊙ Liquid density can be measured;
- ⊙ Specific gravity purity of gold and platinum can be measured.

- ⊙ Suitable for chemical industry, research institute, metal manufacturing and other industries; ;
- ⊙ Make the work more save trouble, labor, worry;
- ⊙ Provide complete solution for industrial production;

Weighing Mode >



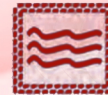
Weighing mode



Density determination mode




Solid Weighing mode




Liquid weighing mode

Density Balance XS series (Readability 1 mg) main technical parameters ▶

Model	XS120D	XS200D	XS310D	XS410D	
Max.Capability	120g	200g	310g	410g	 <p>230x310x330</p>
Recommended sample weight	>20g	>20g	>20g	>20g	
Readability	1mg	1mg	1mg	1mg	
Density Readability	0.001g/cm ³	0.001g/cm ³	0.001g/cm ³	0.001g/cm ³	
Repeatability	±1mg	±1mg	±1mg	±1mg	
Linearity Error	±1mg	±1mg	±1mg	±1mg	

Density Balance XS series (Readability 0.1 mg) main technical parameters ▶

Model	XS-E120D	XS-E210D	
Max.Capability	120g	210g	 <p>470x310x320</p>
Recommended sample weight	>10g	>10g	
Readability	0.1mg	0.1mg	
Density Readability	0.0001g/cm ³	0.0001g/cm ³	
Repeatability	±0.1mg	±0.1mg	
Linearity Error	±0.1mg	±0.1mg	