

# Haisern

Customize and understand your weighing program



2023  
GOLD WINNER



XY Series Moisture Analyzer

## Intelligent Automatic Moisture Analyzer

High precision sensor / One-click intelligent heating / Fully automatic opening and closing door / Administrator rights.....

P1~2 >>

FA-SEM Series

## Multifunctional Internal Calibration Semi-Micro Analytical Balance

0.00001g accuracy / Fully automatic timed internal calibration / Negative LCD screen / Anti-static transparent glass / Stainless steel wind shield / Palladian gold star pan / Temperature compensation / Laboratory GLP / Automatic zero tracking settings.....

P13~14 >>

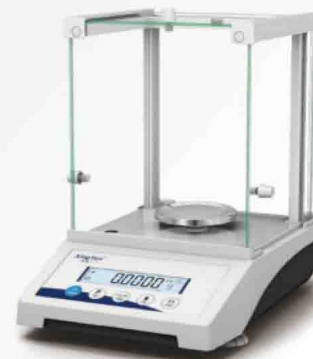


FA Series

## High Precision Internal Calibration Analytical Balance

Electromagnetic force sensor / Wide-angle LCD / Counting / Percentage / Fully automatic timed internal calibration / One-click calibration (FA-EN) / Unit conversion (g/mg/ct/oz) / Peak hold / Print output conversion settings...

P15~16 >>



# XY SERIES MOISTURE ANALYZER

Intelligent Automatic Moisture Analyzer



XY-MX High-Precision Moisture Analyzer adopts drying loss method, with 0.1mg precision. Featuring traceable testing, high performance, and multiple functions, EMF sensor / high-precision load cell, Optional fully automatic door opening and closing.



### 18 Functional Settings

- Heating Mode Setting
- Stop Mode Setting
- CN/EN Language Setting
- Information Input Setting
- GLP/GMP Format Setting
- Sample Testing Method Selection
- Heating Temperature Setting
- Temperature Calibration
- Date/Time setting
- Heating Time Setting
- Environment Calibration
- Storage Data Setting
- Preheating The Empty Pan
- Label Printing
- Factory Setting
- User Permission Setting
- Baud Rate Setting
- Instrument Calibration

- 7 inch Touch Screen
- Print Setting
- RS232
- Auto Int. Cal. (XY-1004MX-T7 Pro)
- Automatic Door (Optional)
- USB(Optional)



## Features and Advantages

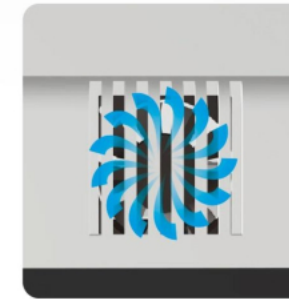
- Enter and edit the sample name, company, contact information, etc
- Administrator/operator password permission login
- 200 sets of historical test data view
- Fully automatic timed internal calibration (Int.cal model)
- Built-in sample testing solutions are available for selection
- Supports printing on various label
- Record and save in GLP/GMP format
- Double-drive electric fully automatic opening and closing cabin door
- No sample required, One-click preheating/temperature calibration
- Real-time dynamic curve
- Ultra-quiet fan
- Optional: Printer



## Design Details



Auto-door, anti-vibration, for enhanced weighing stability.



Dual-drive cooling. Ultra-quiet. Faster operation.



Secure multi-user access with pass word, RS232 for GLP printing

## Technical Specifications

	XY-1003MX-T7	XY-1003MX-T7 <sup>+</sup>	XY-1004MX-T7 Pro	XY-1004MX-T7 Pro <sup>+</sup>
Capacity	· 110g	· 110g	· 110g	· 110g
Readability	· 0.001g	· 0.001g	· 0.0001g	· 0.0001g
Moisture Range	· 0.00%-100.00%	· 0.00%-100.00%	· 0.000%-100.000%	· 0.000%-100.000%
Moisture Readability	· 0.01%	· 0.01%	· 0.001%	· 0.001%
Dry Range	· 100.00%-0.00%	· 100.00%-0.00%	· 100.000%-0.000%	· 100.000%-0.000%
Dry Readability	· 0.01%	· 0.01%	· 0.001%	· 0.001%

Pan Size	φ100mm
Heat Source	Halogen lamp
Temp. Sensor	High-precision thermal resistance
Temp. Range	40°C~230°C 1°C Step
Working Temp.	15~30°C
Sensor	High accuracy load cell / 1004: EMF sensor
Cal. Mode	External calibration / XY-1004MX-T7 Pro: Internal calibration
Open Mode	Automatic door / XY-1003MX-T7: Manual door
Display Mode	7-inch HD touch screen
Stable Time	≤3S
Interface	RS232(Standard), USB(Optional)
Test Mode	Standard / Fast / Soft / Steps
Stop Mode	Automatic / Manual / Timing / Custom
Data Storage	200 sets of setting address, 200 sets of test reports
Product Dimensions	400*240*185mm
Packing Dimensions	485*340*350mm
Gross Weight	8kg

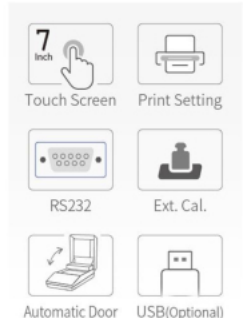
# XY SERIES MOISTURE ANALYZER

## Split-Type Intelligent Moisture Analyzer

XY-MS moisture analyzer features a split-type design, offering enhanced flexibility, performance, maintainability, and durability to ensure efficient, accurate, and reliable moisture detection.



- ### 15 Functional Settings
- Heating Mode Setting
  - Heating Time Setting
  - Stop Mode Setting
  - Data Storage Setting
  - Instrument Calibration
  - CN/EN Language Setting
  - Print Setting
  - Sample Testing Method Selection
  - Touch Screen Calibration
  - Temperature Calibration
  - Heating Temperature Setting
  - Baud Rate Setting
  - Date & Time Setting
  - Factory Setting
  - Environment Calibration



- ### Features and Advantages
- 7-inch full-color touchscreen
  - Fully automatic door
  - Transparent viewing window
  - High-brightness halogen lamp
  - Dual-motor & dual-fan system
  - Intelligent dual-temperature control
  - Multi-layer stainless steel heating chamber
  - Real-time dynamic curve / Date and Time
  - High-temperature molded polymer housing
  - Moisture & dry mass display in percentage
  - Store historical data
  - Connect PC & printer
  - Optional: Printer



### Product Application



MOISTURE DETERMINATION	
Model:	XY-100MS(Plus)
Heating Mode:	STANDARD
Stop Mode:	AUTOMATIC
Heating Temp:	130°C
Heating Time:	4:05
Wet W:	20.000g
Dry W:	19.991g
Moisture:	0.05%M

### Technical Specifications

	XY-100MS	XY-100MS(plus)	XY-200MS	XY-200MS(plus)
Capacity	· 110g	· 110g	· 210g	· 210g
Readability	· 0.001g	· 0.001g	· 0.001g	· 0.001g
Moisture Range	· 0.00%-100.00%	◀	◀	◀
Moisture Readability	· 0.01%	◀	◀	◀
Dry Range	· 100.00%-0.00%	◀	◀	◀
Dry Readability	· 0.01%	◀	◀	◀

Pan Size	φ100mm
Heat Source	Halogen lamp
Temp. Sensor	High-precision thermal resistance
Temp. Range	40°C~230°C 1°C Step
Lithium Battery	Not included /plus: 10000mAh
Communication	Via data cable /plus: Wireless
Display Mode	7-inch HD touch screen
Open Mode	Fully automatic chamber door
Time Setting	1~99min 10s Step
Working Temp.	15~30°C
Interface	RS232
Data Storage	20 storage addresses, 20 historical records
Heater Power	220V±15% 50Hz / 110V±15% 60Hz / 400W
Balance Power	Input: 220V 50Hz / 110V 60Hz Output: 9V
The Complete Instrument	Input: 220V 50Hz / 110V 60Hz Output: 24V Dual-motor system
Operation Height	275mm Chamber Height 35mm
Indicator Dimensions	200*135*80mm
Product Dimensions	415*215*195mm
Packing Dimensions	575*375*455mm
Gross Weight	10kg

# XY SERIES MOISTURE ANALYZER

## Touch Screen Halogen Moisture Analyzer

XINGYUN touch screen moisture analyzer is equipped with high-precision sensors and advanced heating & sensing technology. Boasting intuitive and easy operation, it delivers excellent repeatability and stability for reliable measurements.



### 13 Functional Settings

- Heating Mode Setting
- Stop Mode Setting
- Environment Calibration
- Baud Rate Setting
- Instrument Calibration
- CN/EN Language Setting
- Temperature Calibration
- Heating Time Setting
- Factory Setting
- Date & Time Setting
- Storage Data Setting
- Heating Temperature Setting
- Touch Screen Calibration

- 5 Inch Touch Screen
- Print Setting
- RS232
- Ext. Cal.
- Halogen Lamp
- EN/CN

### Features and Advantages

- Colorful touch screen
- High-brightness halogen lamp
- High-precision sensor
- Aluminum shell
- Stainless steel chamber
- Real-time dynamic curve
- Temperature / Time setting
- Moisture content percentage
- Dry residue
- Store historical settings
- Option: Aluminum box / Printer / Grinder



### Product Application

Menu

Real-time curve

MOISTURE DETERMINATION	
Model:	XY-100MW-T
Heating Mode:	STANDARD
Stop Mode:	AUTOMATIC
Heating Temp:	130°C
Heating Time:	4:05
Wet W:	3.210g
Dry W:	2.815g
Moisture:	12.21%M

Print sample

### Technical Specifications

#### XY-100MW-T

Capacity	110g
Readability	0.001g
Pan Size	φ90mm
Heat Source	Halogen lamp
Temp. Sensor	High-precision thermal resistance
Temp. Range	40°C~199°C 1°C Step
Mositure Range	0.00%-100.00%
Mositure Readability	0.01%
Dry Range	100.00%-0.00%
Dry Readability	0.01%
Display Mode	Colorful touch screen
Cal. Mode	External calibration
Time Setting	1~99min 10s Step
Working Temp.	15~30°C
Inferface	RS232
Data Storage	20 sets of storage addresses, 20 sets of historical records
Heater Power	220V±15% 50Hz / 110V±15% 60Hz / 400W
Balance Power	Input: 220V 50Hz / 110V 60Hz Output: 9V
Product Dimensions	365*235*185mm
Packing Dimensions	485*340*350mm
Gross Weight	7kg

# XY SERIES MOISTURE ANALYZER

## Halogen Moisture Analyzer



XINGYUN Classic Halogen Moisture Analyzer: Advanced heating and sensing technology, high-quality material construction, flexible parameter settings, multiple optional accessories, and precise measurement.

- Halogen lamp heating
- High-precision sensor
- Aluminum shell
- Multi-layer stainless steel heating chamber
- HD LCD display
- High-brightness halogen lamp
- Temperature/Time setting
- Moisture content percentage
- Dry residue
- Store historical settings
- Option: Aluminum box/Printer/Grinder

**XY-MW**



- Halogen lamp heating
- High-precision sensor
- Aluminum shell
- Multi-layer stainless steel heating chamber
- HD backlit LCD display
- High-brightness halogen lamp
- Temperature/Time setting
- Moisture content percentage
- Dry residue
- Store historical settings
- Option: Aluminum box/Printer/Grinder

**XY-100MW**



### Technical Specifications

	<u>XY-110MW</u>	<u>XY-105MW</u>	<u>XY-102MW</u>	<u>XY-100MW</u>
<b>Capacity</b>	· 110g	· 110g	· 110g	· 110g
<b>Readability</b>	· 0.01g	· 0.005g	· 0.002g	· 0.001g
<b>Moisture Range</b>	· 0.0%-100.0%	· 0.00%-100.00%	· 0.00%-100.00%	· 0.00%-100.00%
<b>Moisture Readability</b>	· 0.1%	· 0.05%	· 0.02%	· 0.01%
<b>Dry Range</b>	· 100.0%-0.0%	· 100.00%-0.00%	· 100.00%-0.00%	· 100.00%-0.00%
<b>Dry Readability</b>	· 0.1%	· 0.05%	· 0.02%	· 0.01%

Heating Source	Halogen lamp-1 / 100MW: Halogen lamp-2
Display	HD LCD / 100MW: HD backlit LCD
Cal. Mode	External calibration
Pan Size	φ90mm
Temp. Sensor	High-precision thermal resistor
Temp. Range	40°C~199°C 1°C Step
Time Setting	1~99min 10s Step
Working Temp.	15~30°C
Interface	RS232
Data Storage	15 groups
Heater Power	220V±15% 50Hz / 110V±15% 60Hz / 400W
Balance Power	Input: 220V 50Hz / 110V 60Hz Output: 9V
Product Dimensions	365*235*185mm
Packing Dimensions	485*340*350mm
Gross Weight	7kg

### 13 Functional Settings

- Heating Mode Setting
- Heating Temp Setting
- CN/EN Settings (Printing)
- Factory Setting
- (Only for XY100MW) ↓
- Print Setting
- Stop Mode Setting
- Heating Time Setting
- Data Storage Setting
- Instrument calibration
- Baud Rate Setting



LCD Display



Print Setting



RS232



Ext. Cal.

## XY SERIES MOISTURE ANALYZER

### Rapid Regain Moisture Analyzer



This special moisture analyzer for measuring moisture regain is designed with a dedicated program tailored for materials with high moisture regain such as wool, yarn, non-woven fabric, or relatively fluffy materials like feathers, foam, and tissues. It features excellent stability and repeatability.

- Moisture regain of textiles
- Test cotton, yarn, fabric samples, cashmere, silk, chemical fiber silk, etc
- Large-sized stainless steel mesh cover
- Highlight halogen lamp
- High-accuracy sensor
- Multi-layer stainless steel heating chamber
- HD LCD display
- Aluminum shell
- Temperature / Time setting
- Moisture regain percentage
- Store historical settings
- Option: Aluminum box / Printer



## XY SERIES MOISTURE ANALYZER

### Rapid Regain Moisture Analyzer



Infrared Moisture Analyzer utilizes infrared tube heating to test solid or surface-crust samples with excellent stability and repeatability.

- Infrared Lamp
- High-precision sensor
- Aluminum shell
- Multi-layer stainless steel heating chamber
- Moisture content & remaining dryness (%)
- HD Backlight LCD display
- Temperature/Time setting
- Multiple drying programs memory
- Option: Aluminum case / Printer / Grinder



### Product Appearance



### Technical Specifications

#### Rapid Regain Moisture Analyzer

	XY-105MW-R	XY-100MW-R
Capacity	· 110g	· 110g
Readability	· 0.005g	· 0.001g
Moisture regain range	· 0.00%-+∞	· 0.00%-+∞
Readability of moisture regain	· 0.10%	· 0.01%

#### Infrared Moisture Analyzer

	XY-100MW-IR
Capacity	· 110g
Readability	· 0.001g
Moisture Range	· 0.00%-100.00%
Moisture Readability	· 0.01%
Dry Range	· 100.00%-0.00%
Dry Readability	· 0.01%



#### General Parameters

	▶ XY-MW-R	▶ XY-MW-IR
Pan Size	Φ120mm	Φ90mm
Heat source	Halogen lamp	Infrared lamp
Temp. Sensor	High-precision thermal resistance	
Temp. Range	40°C~199°C 1°C Step	40°C~160°C 1°C Step
Display mode	HD LCD	HD Backlight LCD
Cal. Mode	External calibration	
Time setting	1-99min 10s Step	
Working Temp.	15-30°C	
Interface	RS232	
Data Storage	15 groups	15 storage addresses, 5 history records
Heater Power	220V±15% 50Hz / 110V±15% 60Hz / 400W	
Balance Power	Input:220V 50Hz / 110V 60Hz Output:9V	
Product Dimensions	365*235*185mm	
Packing Dimensions	485*340*350mm	
Gross Weight	7kg	

# XY SERIES MOISTURE ANALYZER

## Basic Moisture Analyzer



ME basic moisture analyzer integrates multiple practical functions with reliable performance. It is suitable for various scenarios requiring moisture content detection, providing users with a convenient and precise moisture testing solution.



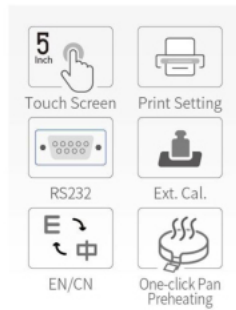
### Product Appearance



### Product Application

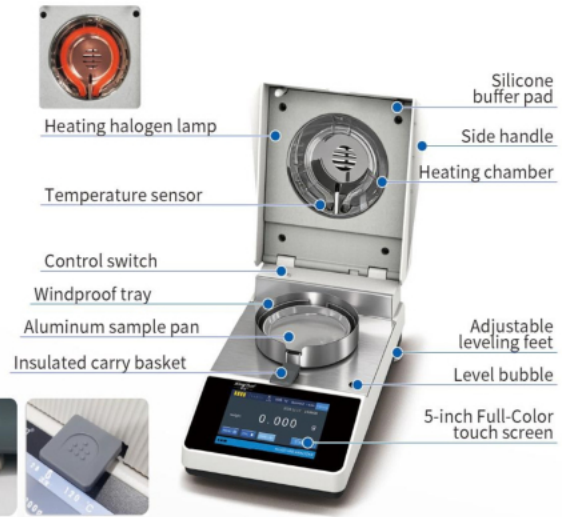


- #### 11 Functional Settings
- Heating Mode Setting
  - Heating Time Setting
  - Baud Rate Setting
  - Date & Time Setting
  - Factory Setting
  - Empty Pan Preheat
  - Stop Mode Setting
  - Heating Temperature Setting
  - CN/EN Language Setting
  - Data Storage Setting
  - Instrument Calibration



### Features and Advantages

- Full-Color Touch Screen
- Real-Time Testing Curve
- Standard / Fast / Soft Mode
- Automatic / Manual / Timed stop mode
- Silent Rapid-Cooling Fan
- Adaptive Voltage Adjustment
- Test Frequency Selection
- Clock Function
- Historical Records Review



### Technical Specifications

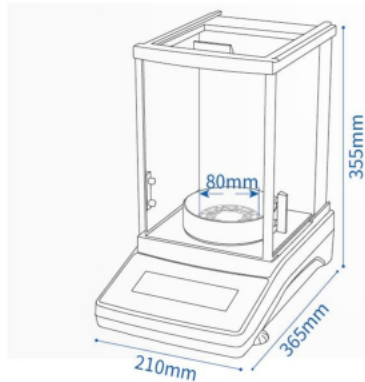
	XY-110ME	XY-105ME	XY-101ME
Capacity	• 110g	• 110g	• 110g
Readability	• 0.01g	• 0.005g	• 0.001g
Mositure Range	• 10.00%-90.00%	• 5.00%-95.00%	• 1.00%-100.00%
Mositure Readability	• 0.10%	• 0.05%	• 0.01%
Dry Range	• 90.00%-10.00%	• 95.00%-5.00%	• 100.00%-1.00%
Dry Readability	• 0.10%	• 0.05%	• 0.01%

Pan Size	φ100mm(20pcs)
Sensor	Load cell
Heating Source	Halogen lamp
Temp. Sensor	High-precision thermal resistance
Temp. Range	40°C~160°C 1°C Step
Working Temp.	15~30°C
Display Mode	Full-color
Real-Time Curve	Real-time dynamic curve
Testing Height	30mm
Data Storage	20 groups
Input Voltage Power	220V 50Hz / 110V 60Hz
Product Dimensions	340*215*170mm
Packing Dimensions	415*310*255mm
Gross Weight	4kg

# FA-SEM SERIES

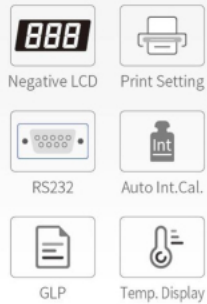
## Multi-Function Internal-Calibration Semi-Micro Analytical Balance

FA-SEM/FA-Pro are newly developed analytical balances. They utilize EMF Sensor and feature fully automatic timed internal calibration. These models offer greater intelligence, standardization, and traceability, making them ideal for customer groups with high demands for efficiency, precision, and compliance.



### 15 Functional Settings

- Speed Adjustment
- Internal Calibration Time Setting
- Print Setting
- External Calibration
- Zero Tracking Setting
- Counting
- Temp Display
- Unit Conversion
- Factory Setting
- Peak Hold
- Stability Setting
- Time Setting
- GLP
- Percentage
- Baud Rate Setting



### Features and Advantages

- Automatic internal calibration / One-touch calibration
- Internal calibration with non-magnetic weights ensures calibration accuracy
- Negative LCD display provides a clear interface
- Anti-static transparent glass, effectively isolates static electricity
- Hollow star-pattern weighing pan reduces airflow impact for more precise weighing.
- Aluminum windproof ring reduces door-draft impact on weighing
- RS232 for connecting with printers, PC, or industrial control equipment.
- Unit conversion (g / mg / ct / oz)
- Configurable baud rates (1200, 2400, 4800, 9600, 19200, 38400, etc.)
- Printing Modes: continuous real-time, continuous stable and single-point
- single user information print, single device information print
- Rear cavity houses main components, shielding the board from sensor interference.
- Tare zero over/underload indication and fault alarm across the full range
- Temperature compensation | Time/temperature display | GLP and automatic zero tracking

### Design Details

**Large glass draft shield**  
Spacious operation area



**Aluminum Draft Shield**  
Reduces wind interference when side doors are opened



**Hollow star-pattern weighing pan**  
Reducing airflow interference



**VA negative LCD display**  
Black Background, White Characters. For reading clearly

### Technical Specifications

	FA625N-SEM	FA1005N-SEM	FA1205N-SEM	FA2204N Pro
<b>Capacity</b>	· 62g	· 102g	· 122g	· 220g
<b>Readability</b>	· 0.01mg/0.1mg	· 0.01mg/0.1mg	· 0.01mg/0.1mg	· 0.1mg
<b>Repeatability</b>	· 0.08mg	· 0.1mg	· 0.1mg	· 0.1mg
<b>Linearity</b>	· ±0.08mg	· ±0.1mg	· ±0.1mg	· ±0.1mg

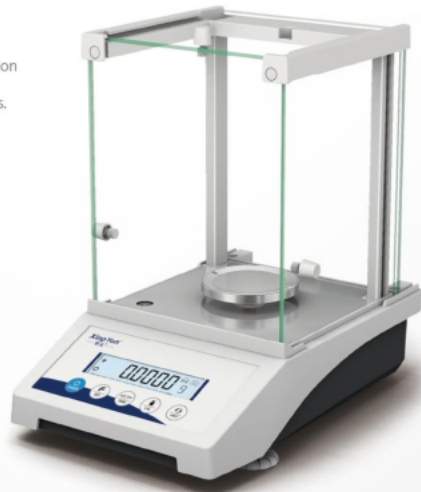
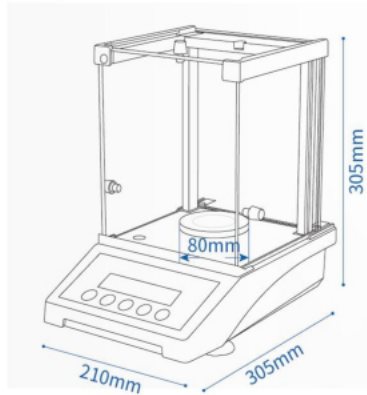
	FA1265N-SEM	FA2285N-SEM	FA22105N-SEM	FA22125N-SEM
<b>Capacity</b>	· 62g/120g	· 82g/220g	· 102g/220g	· 122g/220g
<b>Readability</b>	· 0.01mg/0.1mg	· 0.01mg/0.1mg	· 0.01mg/0.1mg	· 0.01mg/0.1mg
<b>Repeatability</b>	· 0.08mg/0.2mg	· 0.1mg/0.2mg	· 0.1mg/0.2mg	· 0.1mg/0.2mg
<b>Linearity</b>	· ±0.08mg/±0.2mg	· ±0.1mg/±0.2mg	· ±0.1mg/±0.2mg	· ±0.1mg/±0.2mg

Min weight	1mg	/ FA2204N Pro: 10mg
Verification Scale Interval	1mg	
Load Error (2g)	0.01mg	/ FA2204N Pro: 0.1mg
Stable Time	6s	/ FA2204N Pro: 3s
Temperature drift	±3ppm/°C	
Working Temp.	18~23°C	45~65%RH
Cal. Mode	Internal calibration	
Display Mode	VA negative LCD display	
GMP/GLP	Compliance	
Power	220V 50Hz	110V 60Hz
Interface	RS232	
Product Dimensions	365*210*355mm	
Packing Dimensions	Outside Carton: 530*400*540mm Inside Carton: 500*380*520mm	
Gross Weight	10kg	

# FA SERIES

## Internal Calibration Analytical Balance

The FA-E/FA-EN is a new-generation basic balance with a fourth-generation ultra-thin electromagnetic force balance sensor. It is compact, highly sensitive, safe for transportation, and adaptable to various working areas.



### Design Details

**three-sided opening**  
Three-door glass and slot  
Convenient for placing items



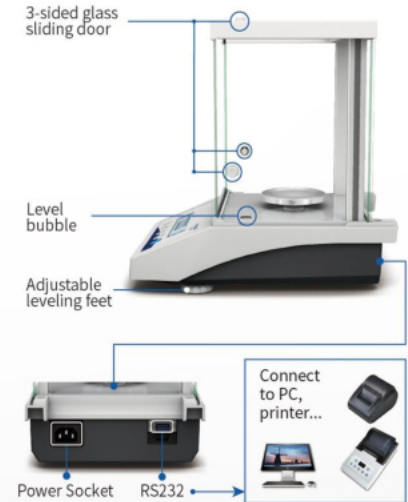
**Glass extension track**  
Prevent the glass door  
from sliding

**Level bubble**  
Adjust the balance for more  
accurate measurement



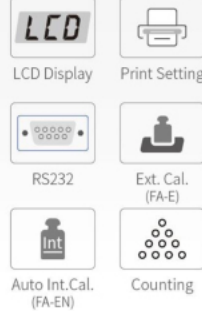
**304 stainless steel pan**  
Standard  $\phi 80\text{mm}$   
Optional  $\phi 90\text{mm}$

### Product Appearance



### 12 Functional Settings

- Unit Conversion
- Peak Hold
- Estimation Digit display function(optional)
- Internal Calibration Time Setting(FA-EN)
- Stability Setting
- Baud Rate Setting
- Counting Function
- External Calibration
- Percentage Function
- Print Setting
- Speed Setting
- Factory Setting



### Features and Advantages

- Electromagnetic force sensor
- Wide-angle LCD HD display
- Fully automatic timed internal calibration/one-click calibration (FA-EN)
- Tare function
- Counting function - fast and accurate, improving work efficiency
- Percentage weighing - ensuring the accuracy of the formula
- RS232 port - connects printers, computers and central control devices to transmit data
- Common unit conversions (g/mg/ct/oz)...
- Peak hold-locks the displayed maximum value to help users better understand and analyze experimental data
- Print settings - can convert to continuous real-time, continuous stable and single-point output
- Baud Rate: 1200,2400,4800,9600
- Overload alarm / Fault alarm - protect the balance from damage and enhance the safety of use
- The display speed/sensitivity is adjustable - to meet different weighing requirements
- Option: printer

### Technical Specifications

	FA1004E FA1004EN	FA1204E FA1204EN	FA2004E FA2004EN	FA2204E FA2204EN
<b>Capacity</b>	· 100g	· 120g	· 200g	· 220g
<b>Readability</b>	· 0.0001g	· 0.0001g	· 0.0001g	· 0.0001g
<b>Cal. Weight</b>	· 100g	· 100g	· 200g	· 200g
Min weight	0.01g			
Repeatability	±0.0002g			
Linearity	±0.0003g			
Display Mode	HD LCD			
Pan Size	φ80mm(Standard), φ90mm(Optional)			
Cal. Mode	FA-E-External calibration / FA-EN-Internal calibration			
Stable Time	≤3s			
Working Temp.	18~23°C			
Inferface	RS232			
Power	100-240V 50/60Hz			
Display Screen Size	96*24mm			
Windshield Dimensions	175*165*200mm(Inner)			
Product Dimensions	305*210*305mm			
Packing Dimensions	425*310*410mm(Single package)			
Gross Weight	6kg			

# FA SERIES

## Internal Calibration Touch Screen Analytical Balance

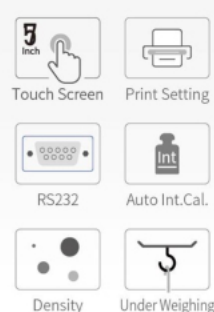


FA-T: Color touch screen for clear display & easy operation; auto timed internal calibration, electromagnetic force balance sensor for fast and stable weighing; cast aluminum shell boosts anti-interference.



### 12 Functional Settings

- Unit Conversion
- Weighing Calibration
- Under-Hook Weighing
- Counting Function
- Stability Setting
- Density Function
- Speed Setting
- Percentage Function
- Int.cal Time Setting
- Baud Rate Setting
- Print Setting
- Factory Setting



### Features and Advantages

- Colorful touch screen
- Electromagnetic force sensor
- Auto international calibration
- Aluminum shell / Large space wind proof cover
- Full capacity tare
- Counting / Percentage
- Density
- Under Weighing
- Unit Conversion (g/mg/ct/oz)...
- Stability / Speed setting
- Overload alarm / Fault alarm / Level bubble
- Density kit



# FA SERIES

## Internal Calibration Analytical Balance



FA(N) is equipped with an LCD HD display, auto calibration, Electromagnetic force sensor and cast aluminum casing for anti-interference

- Auto international calibration
- Wide-view LCD HD display
- Electromagnetic force sensor
- Aluminum shell / Large space wind proof cover
- Full capacity tare
- Counting / Percentage
- Unit conversion(g/mg/ct/oz)
- Under weighing
- Stability / Speed setting
- Overload alarm / Fault alarm / Level bubble
- Optional: Under weighing / Printer



### Technical Specifications

	FA1004T FA1004N	FA1204T FA1204N	FA2004T FA2004N	FA2204T FA2204N
Capacity	· 100g	· 120g	· 200g	· 220g
Readability	· 0.0001g	· 0.0001g	· 0.0001g	· 0.0001g
Cal. Weight	· 100g	· 100g	· 200g	· 200g

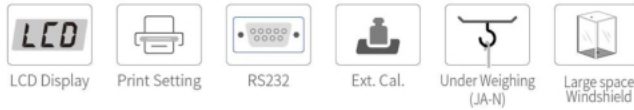
Min Weight	0.01g
Repeatability	±0.0002g
Linearity	±0.0003g
Display Mode	FA-T: Colorful touch screen FA-N: Wide view LCD HD display
Pan Size	φ80mm
Cal Mode	Internal calibration
Stable Time	≤3s
Working Temp.	18~23°C
Interface	RS232
Windshield Dimensions	175*165*230mm(Inner)
Product Dimensions	365*210*355mm
Packing Dimensions	Outside arton: 490*335*485mm Inside carton: 440*295*430mm
Gross Weight	11kg

## FA SERIES

### Analytical Balance

FA is equipped with an LCD HD display, EMF sensor and cast aluminum casing for anti-interference.

- Electromagnetic force sensor
- Aluminum shell
- Large space wind proof cover
- Wide-view LCD HD display
- Full capacity tare
- Counting / Percentage function
- Unit conversion(g/mg/ct/oz)
- Stability / Speed setting
- Print / Baud rate setting
- Overload alarm / Fault alarm / Level bubble
- Optional: Under weighting / Printer



## JA SERIES

### Electronic Balance

JA(N) has LCD display, Electromagnetic force balance sensor for fast and stable weighing, and aluminum shell for enhanced anti-interference capability.

- EMF Sensor
- Automatic internal calibration (JA-N series)
- One-Touch calibration (JA-N series)
- Aluminum shell with large draft shield
- LCD Display
- Tare
- Counting
- Percentage
- Unit Conversion (g / mg / ct / oz)...
- Stability / Speed setting
- Overload alarm / Fault alarm / Level bubble
- Optional: Printer



## Product Appearance



## Technical Specifications

	FA1004	FA1204	FA2004	FA2204	FA3004
<b>Capacity</b>	• 100g	• 120g	• 200g	• 220g	• 300g
<b>Readability</b>	• 0.0001g	• 0.0001g	• 0.0001g	• 0.0001g	• 0.0001g
<b>Cal. Weight</b>	• 100g	• 100g	• 200g	• 200g	• 200g
	JA203	JA303	JA503	JA603	JA1003
<b>Capacity</b>	• 200g	• 300g	• 500g	• 600g	• 1000g
<b>Readability</b>	• 0.001g	• 0.001g	• 0.001g	• 0.001g	• 0.001g
<b>Cal. Weight</b>	• 200g	• 200g	• 200g	• 200g	• 500g
	JA203N	JA303N	JA503N	JA603N	JA1203
<b>Capacity</b>	• 200g	• 300g	• 500g	• 600g	• 1200g
<b>Readability</b>	• 0.001g	• 0.001g	• 0.001g	• 0.001g	• 0.001g
<b>Cal. Weight</b>	• 200g	• 200g	• 200g	• 200g	• 500g

Min Weight	FA: 0.01g	/ JA: 0.02g
Repeatability	FA: ±0.0002g	/ JA: ±0.002g
Linearity	FA: ±0.0003g	/ JA: ±0.003g
Display Mode	HD LCD	
Pan Size	φ80mm	/ JA1003、JA1203: φ100mm
Cal. Mode	External calibration / -N: Internal calibration	
Stable Time	≤3s	
Working Temp.	FA: 18~23°C	/ JA: 15~30°C
Interface	RS232	
Optional	Printer	
Windshield Dimensions	175*165*230mm(Inner)	
Product Dimensions	365*210*355mm	
Packing Dimensions	Outside carton: 490*335*485mm Inside carton: 440*295*430mm	
Gross Weight	9kg	

## JA SERIES

### Electronic Balance

The JA-E is a new-generation basic balance with a fourth-generation ultra-thin electromagnetic force balance sensor. It is compact, highly sensitive, safe for transportation, and adaptable to various working areas.

- Electromagnetic Force Sensor
- Wide-angle LCD HD Display
- Full-Capacity Tare Function
- Counting / Percentage Function
- Unit Conversion ((g/mg/ct/oz)
- Peak Function
- Stability / Speed setting
- Print Function (Baud Rate Setting, Continuous Real-time, Continuous Stable, and Single-point out put)
- Overload Alarm / Fault Alarm / Level Bubble
- Optional: Printer

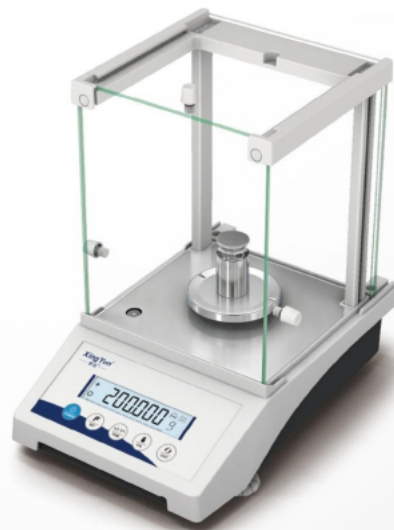


## JA SERIES

### Internal Calibration Electronic Balance

The JA-EL is a new basis internal calibration balance.

- Fully automatic timed internal calibration / one-touch calibration (JA-EL)
- Load cell
- Wide-angle LCD HD display
- Full-Capacity Tare Function
- Counting / percentage function
- Unit conversion (g/ct/oz/gsm)
- Peak hold
- Stability / Speed setting
- Printing function (baud rate setting, continuous real-time, continuous stable, and single-point output)
- Overload Alarm / Fault Alarm / Level Bubble
- Optional: Printer



### Product Appearance



### Product Application



## I Technical Specifications

	JA203E	JA503E	JA203EL
<b>Capacity</b>	· 200g	· 500g	· 220g
<b>Readability</b>	· 0.001g	· 0.001g	· 0.001g
<b>Cal. Mode</b>	· External calibration	· External calibration	· Internal calibration
<b>Sensor</b>	· EMF	· EMF	· Load cell

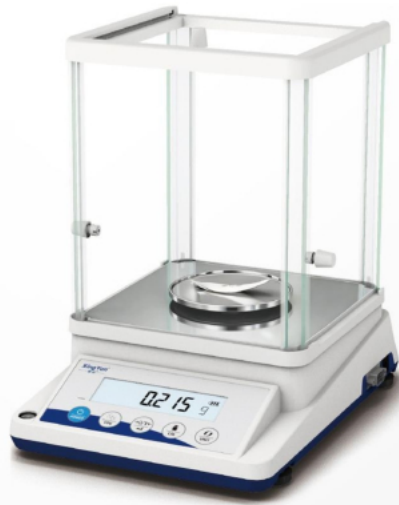
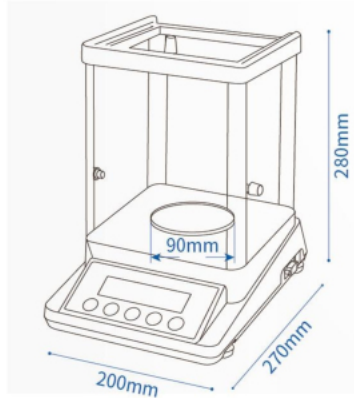
Min Weight	0.02g
Repeatability	±0.002g
Linearity	±0.003g
Display Mode	HD LCD
Pan Size	JA-E: φ80mm(Standard) φ90mm(Option) JA-203EL: φ90mm(Standard)
Stable Time	≤3s
Working Temp.	15~30°C
Interface	RS232
Display Size	96*24mm
Windshield Dimensions	175*165*200mm(Inner)
Product Dimensions	305*210*305mm
Packing Dimensions	425*310*410mm
Gross Weight	JA-E: 6kg / JA203EL: 5kg

# JA SERIES

## Precision Electronic Balance



JA-P is a precision electronic balance with high cost performance. Using high-precision sensors and imported integrated circuit, stable and reliable performance, easy to operate.



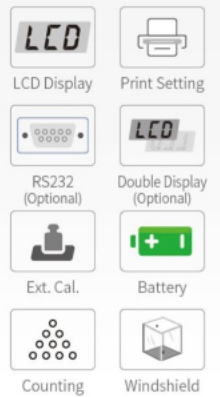
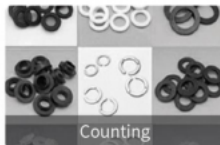
### 6 Functional Settings

- Unit Conversion
- External Calibration
- Counting Function
- Min Weight Setting
- Print Setting
- Baud Rate Setting

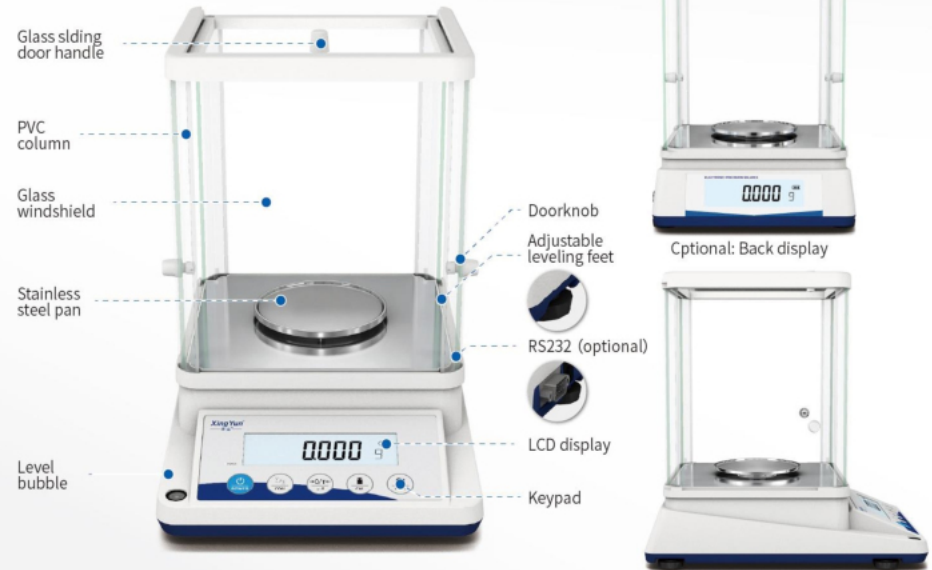


### Features and Advantages

- High-definition LCD display
  - Low power consumption, can adapt to different light conditions
- AC and DC power supply (AA \* 3)
  - Portability, emergency use
- Tare function
  - To improve efficiency, enhance flexibility
- Counting function
  - Fast accurate, improve the work efficiency
- Unit conversion (g/ct/oz)...
- Improving flexibility, simplifying the operation process, to meet different customer applications
- Overload alarm
- Level Bubble
- Optional: Dual display / RS232 / Printer / Dust cover / External display



### Product Appearance



### I Technical Specifications

	JA103P	JA203P	JA303P	JA103PL
<b>Capacity</b>	• 110g	• 210g	• 310g	• 110g/610g
<b>Readability</b>	• 0.001g	• 0.001g	• 0.001g	• 0.001g/0.01g
<b>Pan Size</b>	• φ90mm	• φ90mm	• φ90mm	• φ110mm
<b>Cal. Weight</b>	• 100g	• 200g	• 200g	• 100g

Min Weight	0.02g
Repeatability	±0.002g
Linearity	±0.003g
Display Mode	HD LCD
Cal Mode	External calibration
Stable Time	≤3s
Working Temp.	15~30°C
Interface	RS232(Optional)
Windshield Dimensions	170*165*180mm(Inner)
Product Dimensions	270*200*280mm
Packing Dimensions	360*265*350mm 560*380*730mm(4 units per carton)
Gross Weight	4kg / 16kg(4 units per box)

## JA SERIES

### Precision Electronic Balance



It is an aluminum-shell precision electronic balance with strong anti-static and anti-interference performance.

- Aluminum case
- Large space wind proof cover
- LED display / LCD HD display
- Full capacity tare / Counting
- Level bubble
- Print function (Baud rate setting, continuous real-time output)
- Option: Printer



LCD Display



Unit conversion



RS232



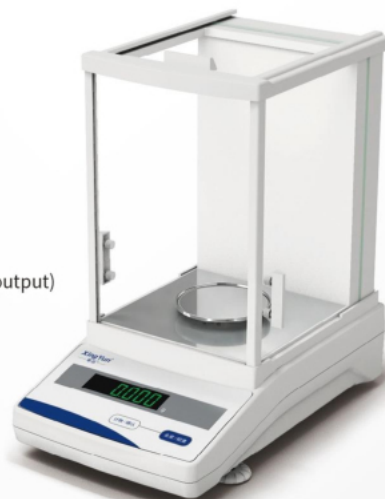
LED Display



Ext. Cal.



Counting



## XY SERIES

### Precision Balance



XY-JAC is an electronic balance with square pan and large capacity, featuring a cast aluminum shell, excellent anti-static and anti-interference performance

- Aluminum case
- Unit conversion(g/ct/oz)
- Wide-view LCD HD display
- Full Capacity tare
- Counting
- Print set(Baud rate setup, Continuous real-time & Single-point output)
- Overload alarm / Level bubble
- Optional: Printer



### Technical Specifications

	JA203H	JA303H
Capacity	· 210g	· 310g
Readability	· 0.001g	· 0.001g

Min Weight	0.02g
Repeatability	±0.002g
Linearity	±0.003g
Pan Size	φ90mm
Cal. Mode	External calibration
Cal. Weight	200g
Stable Time	≤3s
Working Temp.	15~30°C
Interface	RS232
Optional	Printer
Windshield Dimensions	175*165*230mm(Inner)
Product Dimensions	365*210*355mm
Packing Dimensions	490*335*485mm Inside: 440*295*430mm
Gross Weight	7kg

### Technical Specifications

	XY3000JAC	XY4000JAC	XY5000JAC
Capacity	· 3100g	· 4100g	· 5100g
Readability	· 0.01g	· 0.01g	· 0.01g

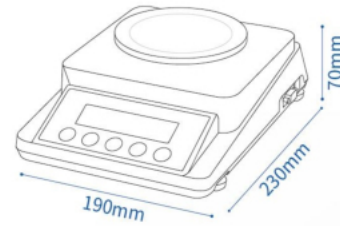
Min Weight	0.5g
Repeatability	±0.02g
Linearity	±0.03g
Stable Time	≤3s
Working Temp.	15~30°C
Interface	RS232
Pan Size	180*180mm
Product Dimensions	345*205*105mm
Packing Dimensions	410*260*165mm
Gross Weight	4kg

# XY SERIES

## Precision Electronic Balance

XY-2C is an electronic balance that adopts a high-precision load cell sensor. It is portable, easy to operate and can be powered by AA batteries.

- LCD display
- AC and DC power supply (AA\*3)
- Tare function
- Counting
- Unit conversion (g/ct/oz)...
- Overload alarm / Level bubble
- Print function (baud rate setting, Continuous / Single-point Output, Optional : RS232 interface)
- Optional: Dual display / External display / RS232 / Printer/ Under weighing / Wind cover / Dust cover



XY-2C



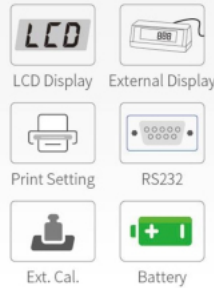
Optional RS232 +External display



XY-2C optional plastic windshield



XY-1B(Round pan)



- LCD display
- AC And DC Power Supply (AA\*3)
- Tare function
- Counting
- Unit Conversion (g / ct / oz)...
- Overload Alarm / Level bubble
- Print(Baud Rate Settings, Continuous / Single-point Output, Optional : RS232 interface)
- Optional: Dual Display / External Display / RS232/ Printer / Under Weighing / Calibration Weight



Dual-purpose weighing pan



XY-1BF square pan



Research Field



Chemical Industry



Metal Powder



Medicine Weighing



Precision Counting

## Technical Specifications

	XY200-2C	XY300-2C	XY600-2C	XY1000-2C	XY2000-2C	XY3000-2C
<b>Capacity</b>	• 210g	• 310g	• 610g	• 1100g	• 2100g	• 3100g
<b>Readability</b>	• 0.01g	• 0.01g	• 0.01g	• 0.01g	• 0.01g	• 0.01g
<b>Min Weight</b>	• 0.2g	• 0.2g	• 0.2g	• 0.5g	• 0.5g	• 0.5g

	XY1000-1B	XY2000-1B	XY3000-1BF	XY5000-1BF	XY6000-1BF	XY10K-1BF
<b>Capacity</b>	• 1100g	• 2100g	• 3100g	• 5100g	• 6100g	• 10kg
<b>Readability</b>	• 0.1g	• 0.1g	• 0.1g	• 0.1g	• 0.1g	• 0.1g
<b>Min Weight</b>	• 2g	• 2g	• 2g	• 2g	• 2g	• 2g

Model	XY-2C	XY-1B	XY-1BF
Repeatability	±0.02g	±0.2g	±0.2g
Linearity	±0.03g	±0.3g	±0.3g
Pan Size	φ130mm	φ130mm	160*160mm
Stable Time	≤2s	≤2s	≤2s
Gross Weight		1.6kg (XY1000-2C: 2.2kg)	2.2kg
Working Temp.		5-35°C (XY1000-2C, XY2000-2C, XY3000-2C: 15-30°C)	

WEIGHTS : Only for 0.01g, Capacity ≤1100g is standard

## Kitchen Scale

- Wide-angle LCD HD display
- Stainless Steel Pan, Dual-purpose weighing pan
- USB charging port (without adapter)
- AAA dry battery\*2
- Unit conversion (g,oz,ct,tl)



Baked Goods

Heathy Meals

Fruit Selection



	XY3KB1EB	XY6KB5EB	XY10KA1EB
<b>Capacity</b>	• 3000g	• 6000g	• 10000g
<b>Readability</b>	• 0.1g	• 0.5g	• 1g
<b>Repeatability</b>	• 0.2g	• 1.0g	• 2g
<b>Linearity</b>	• 0.3g	• 1.5g	• 3g

Stable Time	≤3s
Working Temp.	5-35°C
Pan size	157*157mm
Net Weight	0.6kg ( one unit ) / 15kg ( one carton )
Gross Weight	0.8kg ( one unit ) / 17kg ( one carton )

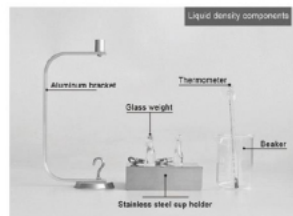
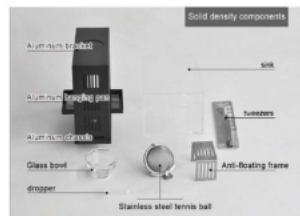
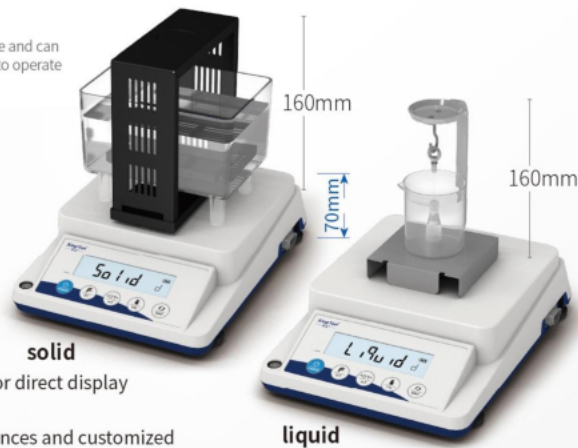
## XY SERIES

### Density Balance



XY-2CM is a balance that applies Archimedes' principle and can test the density of solid and liquid samples. It is easy to operate and can directly read data with 0.01g accuracy.

- Plastic case
- LCD display screen
- Tare function
- Overload alarm / Level bubble
- Optional: RS232/ Printer
- Test the density of solids and liquids
- Density components are optional (solid/liquid)
- Built-in precise calculation program for direct display of sample density
- Equipped with multiple density references and customized density reference settings



#### solid

Weighing pan size: 62\*152mm  
Tray (in water) size: 70\*110mm  
Container (tank) volume: 108\*156\*110mm

#### liquid

Top plate size:  $\phi$ 50mm  
Bracket size: 90\*90\*25mm  
Beaker capacity: 50ml

## Technical Specifications

	XY3002CM-S	XY3002CM-L	XY6002CM-S	XY6002CM-L
<b>Capacity</b>	• 310g	• 310g	• 610g	• 610g
<b>Readability</b>	• 0.01g	• 0.01g	• 0.01g	• 0.01g
<b>Density Accessories</b>	• Solid	• Liquid	• Solid	• Liquid

Min Weight	0.2g
Density Display Accuracy	0.001g/cm <sup>3</sup>
Density Display Range	0.001-99.999g/cm <sup>3</sup>
Working Temp.	5~35°C
Cal. Weight	200g
Machine Material	Plastic case
Product Dimensions	230*190*230mm
Packing Dimensions	345*325*195mm
Gross Weight	3kg

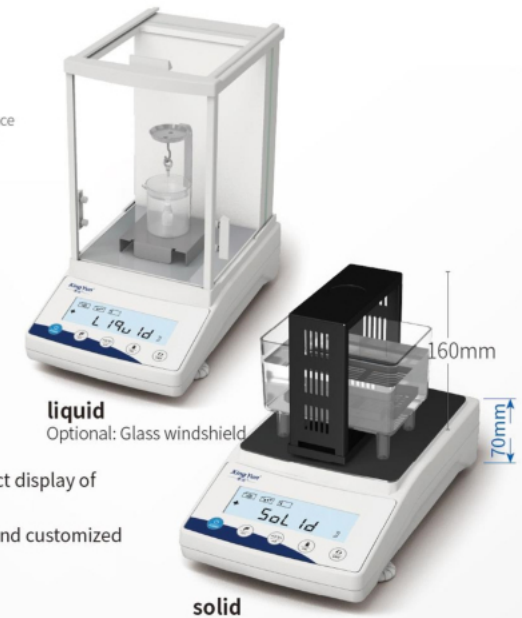
## JA SERIES

### Density Balance



JA-M balance is an Archimedes' principle-based density balance for solids, liquids, powders and hygroscopic samples. Easy to use with 0.001g precision.

- Aluminum case
- Wide-angle LCD HD display Tare function
- Overload alarm / Level bubble
- Standard: RS232
- Optional: Printer / Glass wind shield
- Test the density of solid, liquid, powder and water-absorbent samples
- Density components are optional (solid/liquid/powder)
- Built-in precise calculation program for direct display of sample density
- Equipped with multiple density references and customized density reference settings



## Technical Specifications

	JA203M-S/G/A	JA203M-L	JA203M-P	Model Classification
<b>Capacity</b>	• 210g	• 210g	• 210g	JA-M-S Solid
<b>Readability</b>	• 0.001g	• 0.001g	• 0.001g	JA-M-G Gold
<b>Density Accessories</b>	• Solid	• Liquid	• Powder	JA-M-A Absorbent
				JA-M-L Liquid
				JA-M-P Powder
				<b>Density component</b>
				*Solid & Liquid – Left page
				<b>Powder</b>
				Weighing pan size: $\phi$ 90mm
				Container volume: 50ml
				Specific gravity bottle
				Funnel

Density Display Accuracy	0.001g/cm <sup>3</sup>
Density Display Range	0.001-99.999g/cm <sup>3</sup>
Working Temp.	15~30°C
Cal. Weight	200g
Machine Material	Aluminum Case
Glass Windshield	Optional
Product Dimensions	345*205*230mm
Packing Dimensions	430*285*370mm
Gross Weight	5kg (With glass windshield 7.5kg)

# FA SERIES

## Density Balance

FA2204T-S/L is a touch-screen density balance with 0.1mg precision, featuring high anti-static and anti-interference performance.

- Fully automatic timed internal calibration
- Electromagnetic force balance sensor
- Cast aluminum case
- Extra-large draft shield
- Full-range tare function
- Counting / percentage function
- Solid and liquid density function
- Under weighing
- Unit conversion (g/mg/ct/oz)...
- Stability / Speed setting
- Overload alarm / Fault alarm / Level bubble



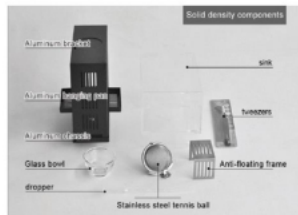
Liquid



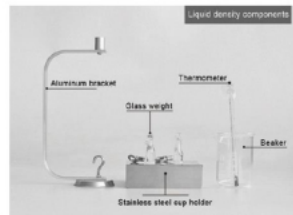
RS232



Solid



Solid density components



Liquid density components

### solid

Weighing pan size: 62\*152mm  
Tray (in water) size: 70\*110mm  
Container (tank) volume: 108\*156\*110mm

### liquid

Top plate size:  $\phi$ 50mm  
Bracket size: 90\*90\*25mm  
Beaker capacity: 50ml

## Technical Specifications

	FA2204TS	FA2204TL
Capacity	• 220g	• 220g
Readability	• 0.0001g	• 0.0001g
Density Accessories	• solid	• liquid



Min Weight	0.01g
Density Display Accuracy	0.0001g/cm <sup>3</sup>
Density Display Range	0.0001-99.9999g/cm <sup>3</sup>
Working Temp.	18~23°C
Cal. Weight	200g
Machine Material	Aluminum Case
Product Dimensions	365*210*355mm
Packing Dimensions	465*315*660mm
Gross Weight	11kg

# XY SERIES

## Hydrostatic Balance

The XY-1BJ is a hydrostatic balance that uses a high-precision sensor. It supports both top and bottom weighing and is suitable for density measurement of materials such as ores, sand, and gravel in industries like highways, railways, engineering construction, and inspection units.

- Suitable for sample density testing in highway and textile industries
- Metal base
- Large stainless steel square pan
- LCD HD screen
- Full-range tare / Counting function
- Overload alarm
- Optional accessories: RS232 / Printer



Under Weighing



RS232 (Optional)



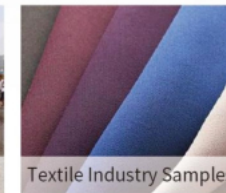
Counting



## Product Application



Road Construction



Textile Industry Samples



Colleges and Universities



Laboratory

## Technical Specifications

	XY5000-1BJ	XY6000-1BJ
Capacity	• 5100g	• 6100g
Readability	• 0.1g	• 0.1g

Min Weight	2g
Repeatability	±0.2g
Linearity	±0.3g
Working Temp.	5~35°C
Pan Size	160*160mm
Packing Dimensions	485*340*350mm
Gross Weight	6kg

# Raw Silk Fineness Tester

YG101

The Raw Silk Size Tester is used to measure the mass of a specific length (number of turns) of artificial silk or natural silk, enabling rapid detection of the denier number of the sample filament. It is applicable to sectors such as silk reeling, silk enterprises, scientific research institutions, and universities.

- Aluminum case
- Extra-large windshield
- LCD HD display
- Full-range tare function
- Language: Chinese/English
- Set date / Time / Number of test samples
- Unit conversion: Gram (g) / Denier (D)
- Standard: Interface RS232 / Printer
- Overload alarm / Level bubble
- Automatic storage of 4 groups totaling 200 data points, with optional data deletion
- Query/Print: Test date, time, vehicle number, sample wire's denier distribution, number of twists, total count, average fineness, fineness deviation, mean square deviation, maximum deviation.

Test Report

Total Denier(D): 85.0

Date: 20/10/13

Time: 09:44

Sample Length: 100

(1)	25.0
(2)	25.0
(3)	25.0
(4)	25.0
(5)	0.0
(6)	0.0
(7)	0.0
(8)	0.0
(9)	0.0
(10)	0.0
(11)	0.0
(12)	0.0
(13)	0.0

Work Number: 10

Total Denier: 85.0

Average Size: 7.31

Unit Denier: 15.52

Max Dev: 17.88



Capacity	110g
Readability	0.001g(0.1D)
Min Weight	0.02g
Repeatability	±0.002g
Linearity	±0.003g
Pan Size	Textile-specific weighing pan (standard) φ90mm(Optional)

Windshield Size	175*165*230mm
Interface	RS232
Working Temp.	15~30°C
Cal. Weight	100g
Packing Size	465*315*660mm
G.W	8kg

The printing test report value accuracy can be selected as: 0.1D or 0.5D, with 0.5D set as the factory default.

# Denier Balance

Y871

The Y871 Denier Balance is a widely used testing instrument in textile, silk enterprises, and scientific research institutions. It is suitable for testing various types of artificial silk and natural silk.

- LED digital display
- Full-range tare / Counting / Overload alarm
- Unit conversion: grams (g) / Denier value (D)
- Set number of silk turns
- Standard : Plastic windshield



Capacity	110g
Readability	0.001g(0.5D)
Min Weight	0.02g
Pan Size	φ130mm

Working Temp.	15~30°C
Cal. Weight	100g
Packing Size	310*230*155mm
G.W	2.5kg

# Yarn Count Balance

JA203SD

The JA203SD Precision Electronic Balance is a widely used textile testing instrument in textile enterprises and scientific research institutions. It is suitable for testing combed high-count yarns and chemical fibers. The instrument allows setting the sample length, automatically weighing silk, yarn, and sliver samples, performing calculations, and enabling one-click statistics and printing.

- Aluminum case/ Extra-large windshield
- LCD / Tare / Overload alarm / Level bubble
- Language: Chinese / English
- Standard: Interface RS232 / Printer
- Unit conversion: grams (g), ounces (oz), tex (Tex), metric count (Nm), English count (Ne), denier (D), grams per square meter (g/m<sup>2</sup>), ounces per square yard (oz/yd<sup>2</sup>)
- Settable test time / Length / Yarn linear density code
- Automatically stores 100 test records, with optional deletion or retesting of any record
- Statistics / Print: Each weighing value, Maximum (Max), Minimum (Min), Average (AV), Unevenness rate (CV)

TEST REPORT

DATE: 23/01/08

TIME: 08:48

OPERATOR:

PRODUCT NAME:

SAMPLE LENGTH: 100m

(g)	
1	10.0000
2	20.0000
3	5.0000
4	91.9999

MAX: 99.9999

MIN: 5.0000

SUM: 134.9999

N: 4

AV: 30.2499

CV%: 132.15



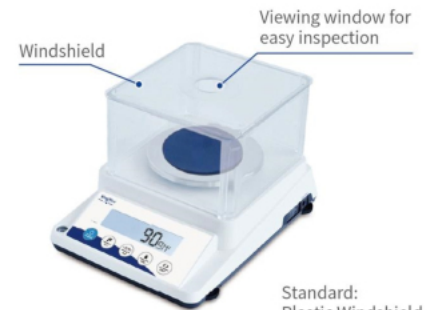
Capacity	210g
Readability	0.001g
Min Weight	0.02g
Repeatability	±0.002g
Linearity	±0.003g
Pan Size	φ90mm(Standard) Textile-specific weighing pan (Optional)

Windshield Size	175*165*230mm
Interface	RS232
Working Temp.	15~30°C
Cal. Weight	200g
Packing Size	465*315*660mm
G.W	8kg

# Textile Balance

XY-2CS

- LCD display
- AC/DC power supply (AA\*3)
- Tare/Counting
- Unit conversion: g, oz, Tex, Nm, Ne, D, g/m<sup>2</sup>, oz/yd<sup>2</sup>
- Overload alarm / Level bubble
- Optional: RS232 interface / Printer



Pan Size	φ130mm
Working Temp.	5~35°C
Cal. Weight	200g
Packing Size	310*230*155mm
G.W	2kg

	<b>XY300-2CS</b>	<b>XY600-2CS</b>
Capacity	· 310g	· 610g
Readability	· 0.01g	· 0.01g
Min weight	· 0.2g	· 0.2g

# XY SERIES

## Multi-Function Electronic Balance



The XY Series Multi-Functional Electronic Balance is a high-precision intelligent weighing device designed for industrial, logistics, and production workshop scenarios. It integrates weighing, counting, percentage measurement, check weighing, and other functions, meeting the demand for precise measurement in complex environments. With multi-functionality, high stability, strong compatibility, and easy operation as its core advantages, it is widely used in food, chemical, electronics, logistics, and other industries.



### 20 Functional Settings

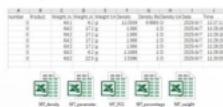
- Unit Conversion
- Built-in Calibration Weight (Optional)
- Summation Function
- Percentage Test Function
- Capacity & Resolution Setting
- Piece Counting Function
- USB Input/Output
- Check Weighing Test Function
- Density Test Function
- Automatic Internal Calibration (Optional)
- Weighing Function
- Calibration Point Setting
- Time & Date Setting
- Language Setting
- Stability Setting
- Touch Screen Calibration
- Under-Hook Weighing
- Print Setting
- Speed Setting
- Baud Rate Setting



### Features and Advantages

- Patented design & Utility Model
- 7-inch Full-color HD touchscreen
- High capacity & High precision
- Large stainless steel square pan
- AC/DC dual power supply
- Check weighing / Percentage / Density
- Date/Time setting
- Full capacity tare/ Counting
- Under-hook weighing
- Net/Gross weight / Summation
- Unit conversion (g/ct/oz...)
- Connect to PC and printer

- Automatic timed internal calibration (optional for XY10MTA, XY10MTB)
- Compatible with label printers / thermal printers
- Overload alarm



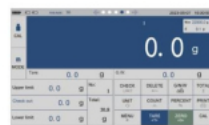
Data information  
Data Logging & Storage



Density Kit  
Test density of Solid & Liquid (Optional: Capacity ≤10kg)



Percentage Function  
Easy Access to Formulation Data



Check Weighing  
For finished product check-weighing

- 7 Inch Touch Screen
- Print Setting
- RS232
- USB
- Ext. Cal.
- Int. Cal. (Optional)
- Density
- Under Weighing



### Product Application



### Product



## I Technical Specifications

	XY10MTA	XY20MTA	XY30MTA		XY10MTB	XY20MTB	XY30MTB	XY5MTC
Capacity	· 10kg	· 20kg	· 30kg		· 10kg	· 20kg	· 30kg	· 5kg
Readability	· 1g	· 1g	· 1g		· 0.1g	· 0.1g	· 0.1g	· 0.01g
Min Weight	· 20g	· 20g	· 20g		· 5g	· 5g	· 5g	· 0.5g
Cal. Weight	· Int. Cal (Optional)	· External calibration	· External calibration		· Int. Cal (Optional)	· External calibration	· External calibration	· External calibration

Repeatability	±3d	*d: The difference between two adjacent displayed values of the balance (The actual division value of the balance)
Linearity	±3d	
Corner Error	±3d	
Sensitivity Drift	±3d	
Stable Time	≤2S	
Working Temp.	5~35°C	/ MTC: 15~30°C
Display	7-inch HD touch screen	
Interface	RS232/USB...	
Weighing Mode	Counting / Check weighing / Percentage / Density	
Function Expansion	Under-hook weighing / External display	
Battery	6V/4AH rechargeable battery	
Power	Input: 100-240V 50/60Hz Output: 9V/3A	
Pan Size	305*230mm	
Product Dimensions	395*320*120mm	
Package Dimensions	460*365*210mm	
Gross Weight	6kg	

# XY SERIES

## Touch Indicator

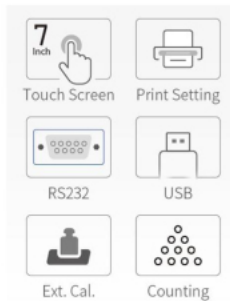


XY-IN High-Precision Industrial indicator is specifically designed for weighing, force measurement, process control, and similar applications. It integrates data acquisition, signal processing, and intelligent control, making it widely applicable in industries such as chemical, metallurgy, food, logistics, and automated production lines, helping customers achieve precise measurement and intelligent management.



### 16 Functional Settings

- Unit Conversion
- Stability / Speed Setting
- Percentage Function
- Language Setting
- Print Setting
- USB Data Output / Input
- Time and Date Recording System
- Time and Date Setting
- Counting Function
- Density Testing Function
- Baud Rate Setting
- Calibration Test Function
- Checking Weighing
- Weighing Mode
- N/G weight / Tare
- Cumulative Sum Function



### Features and Advantages

- 7 inch HD Touch Screen
- High-precision in large capacity
- Stainless steel weighing pan
- AC/DC dual power supply
- Date / Time setting
- Tare / Counting
- Percentage / Density
- Upper/lower limit setting / Net weight / Summation
- Unit conversion: g/ct/oz...
- Overload alarm
- Connect to PC and printer
- Sticker label printing
- Expandable function: External display

### Product Application



### Instrument Appearance



### I Technical Specifications

	XY-INTA	XY-INTB	XY-INT	XY-30INTB1
<b>Model</b>	· XY-XXINTAX	· XY-XXINTBX	· Customized	· Customized
<b>Capacity</b>	· 10-100kg	· 3-30kg	· Customized	· 5g (50d)
<b>Readability</b>	· 1g/2g/5g	· 0.1g/0.2g/0.5g	· Customized	· 30kg
	Example: Capacity: 100kg Readability: 5g Model: XY-100INTA5	Example: Capacity: 30kg Readability: 0.1g Model: XY-30INTB1		· 0.1g

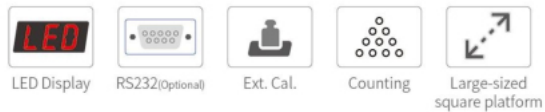
Min Weight	20d	*d: The difference between two adjacent displayed values of the balance (The actual division value of the balance)
Repeatability	±3d	
Linearity	±3d	
Corner Error	±3d	
Sensitivity Drift	±3d	
Stable Time	≤3S	
Working Temp.	5~35°C	/ XY-30INTB1: 15~30°C
Display Mode	7-inch HD touch screen display	
Interface	RS232/USB	
Input / Output	EXCEL output (USB)	
Weighing Mode	Counting / Check weighing / Percentage / Density	
Function Expansion	External display	
Printing	Label printing, label format, text Settings	
Battery	10000mAh(18650 lithium battery)	
Power	Input: 220V 50Hz / 110V 60Hz Output: 9V/3A	
Pan Size	220*300mm / 300*400mm / 400*500mm	
Packing Dimensions	415*165*430mm	

## XY SERIES

### Industrial Scale

XY-E/XY-F are high-precision large-capacity weighing scale specifically designed for industrial applications, logistics warehousing, port terminals, transportation, and similar scenarios. They feature modular structural design and high-strength materials, offering large capacity, high accuracy, and detach-ability. Their core competitive advantages include impact resistance, long service life, and easy maintenance.

- Large capacity with high precision
- Powder-coated carbon steel / Stainless steel weighing frame (Optional)
- Large stainless steel weighing platform
- LED digital display
- AC/DC dual power supply
- Full capacity tare & Counting function
- Unit conversion (kg/lb)
- Overload alarm / Low voltage alarm / Level bubble
- Printing function (Available with optional RS232)
- Optional accessories: RS232 / Printer



### Technical Specifications

	XY60E	XY100E	XY150E	XY200E	XY300E
Capacity	• 61kg	• 110kg	• 160kg	• 200kg	• 310kg
Readability	• 10g	• 10g	• 10g	• 10g	• 10g
Min Weight	• 200g	• 200g	• 200g	• 200g	• 200g
Repeatability	• ±20g	• ±20g	• ±20g	• ±20g	• ±20g
Linearity	• ±30g	• ±30g	• ±30g	• ±30g	• ±30g

	XY60F	XY100F	XY150F	XY500E
Capacity	• 61kg	• 100kg	• 160kg	• 510kg
Readability	• 1g	• 1g	• 1g	• 50g
Min Weight	• 20g	• 20g	• 20g	• 1000g
Repeatability	• ±2g	• ±2g	• ±2g	• ±100g
Linearity	• ±3g	• ±3g	• ±3g	• ±150g

Pan Size	400*500mm	/ XY500E: 600*800mm
Stable Time	≤2s	
Gross Weight	13.5kg	/ XY500E: 43kg
Working Temp.	5~35°C	

## XY SERIES

### Industrial Scale

The XY-M high-precision and large-range industrial weighing electronic balance integrates high efficiency, durability and multi-functionality. Large stainless steel platform, suitable for industrial, production workshop, warehouse, etc. It supports both AC and DC power supply, features multiple functions such as tare and counting, is easy to operate and improves work efficiency.

- Large Capacity with high precision
- Unique base design ensures a stable structure
- Large Stainless Steel weighing pan
- Wide-angle LCD HD display
- AC and DC power supply
- Unit conversion (g/ct/oz)..
- Full-capacity tare / counting function
- Printing function (available after optional RS232)
- Overload alarm / Level bubble
- Optional: RS232 / Printer



### Technical Specifications

	XY10MA	XY15MA	XY20MA	XY30MA	XY28MB
Capacity	• 11kg	• 16kg	• 21kg	• 31kg	• 28kg
Readability	• 1g	• 1g	• 1g	• 1g	• 0.1g
Min Weight	• 20g	• 20g	• 20g	• 20g	• 5g

	XY5MB	XY10MB	XY15MB	XY20MB	XY25MB
Capacity	• 5.1kg	• 11kg	• 16kg	• 21kg	• 26kg
Readability	• 0.1g	• 0.1g	• 0.1g	• 0.1g	• 0.1g
Min Weight	• 2g	• 5g	• 5g	• 5g	• 5g

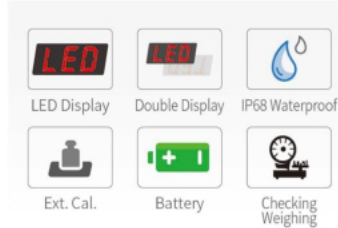
Repeatability	XY-MA: ±2g	/ XY-MB: ±0.2g
Linearity	XY-MA: ±3g	/ XY-MB: ±0.3g
Pan Size	315*230mm	
Stable Time	≤2s	
Gross Weight	5kg	
Working Temp.	XY-MA: 5~35°C	/ XY-MB: 15~30°C

# XY SERIES

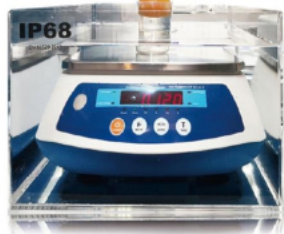
## XY-WP Waterproof Scale

The XY-WP series uses high-grade waterproof materials with excellent waterproof performance, suitable for weighing in humid or multi-water environments. It provides high precision weighing solutions. The weighing pan is made of stainless steel, corrosion-resistant, wear-resistant. The XY-WP series is widely used in food processing, chemical industry, pharmaceutical industry, etc.

- Appearance design and utility model granted patents
- Full waterproof design
- IP68 / CE / RoHS / LFGB certification
- Good shock resistance
- Easy to clean, full body water wash
- Fast and stable weighing
- Stainless steel square pan
- Stainless steel weighing bracket
- Waterproof main-board with sealed glue
- Display screen waterproof case, button cover
- Full capacity tare
- Sensor waterproof cover
- LED digital display
- Dual display front and back
- Checking weighing
- Unit conversion (g/kg/lb)
- AC/DC dual power supply
- Long battery life
- Power saving mode available
- Overload alarm



### Passed a 30-day deep water resistance test

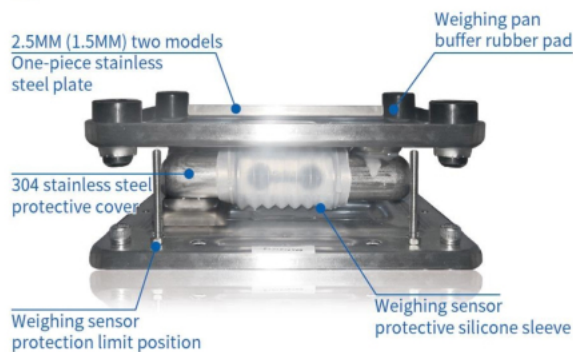


### Back display screen



### IP68 Waterproof sensor bracket

2.5MM (1.5MM) two models  
One-piece stainless steel plate



## Product Application



Engineered for humid, saline, and cold environments  
Perfect for seafood and fishery processing  
Ideal for food workshops, chemical plants, and seafood markets

## Technical Specifications

	XY3KB1WP	XY3KB5WP	XY6KA1WP	XY7.5KA1WP
Capacity	• 3kg	• 3kg	• 6kg	• 7.5kg
Readability	• 0.1g	• 0.5g	• 1g	• 1g
Min Weight	• 2g	• 10g	• 20g	• 20g
Cal. Weight	• 1kg	• 1kg	• 2kg	• 2.5kg

	XY15KA5WP	XY30KA5WP	XY30KA1WP
Capacity	• 15kg	• 30kg	• 30kg
Readability	• 5g	• 5g	• 1g
Min Weight	• 100g	• 100g	• 20g
Cal. Weight	• 5kg	• 10kg	• 10kg

Repeatability	±2d	*d: The difference between two adjacent displayed values of the balance (The actual division value of the balance)
Linearity	±3d	
Stable Time	≤0.5S	
Pan Size	190*235mm stainless steel pan	
Display Mode	6-digit digital tube display, dual-screen (front and back)	
Working Temp.	5~35°C	
Power supply	Rechargeable lead-acid battery, 6V/5Ah. Single charge can provide 40-60 hours of slow discharge. Battery size: 170*70*35mm.	
Product Dimensions	290*280*145mm	
Packing Dimensions	345*325*195mm / 685*365*425mm(4 units per carton)	
G.W	5kg/20kg(4 units per carton)	

## GSM Cutter

Cut circular samples of various woolen, cotton, chemical fiber, knitted and other fabrics

Sampling Area	100cm <sup>2</sup>
Depth	4mm
Blade Holders	4 tablets
Material	Aluminium
Mat	Rubber pad
Product Size	160*115mm
Gross Weight	2kg



## Aluminum Sample Pan

Model	Sample Pan 1	Sample Pan 2
Size	Outer Dia. Φ 90mm Inner Dia. Φ 83mm Height 4mm	Outer Dia. Φ 100mm Inner Dia. Φ 92mm Height 6mm
Material	Aluminum	Aluminum
Packaging	50pcs/box	80pcs/box
Compatibility	Rapid moisture analyzer XY-MW series XY-MW-IR series XY-MW-T series	Rapid moisture analyzer XY-MS series XY-MX series XY-ME series



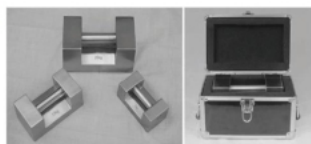
## Weight Set

Recommended Weight Sets for Precision Calibration (1 mg – 20 kg)

M1 Class	Suitable for precision of 0.1-0.01g
F2 Class	Suitable for precision of 0.01-0.001g
F1 Class	Suitable for precision of 0.001-0.0001g
E2 Class	Suitable for precision of over 0.0001g

Lock type series weights (5kg-20kg)

M1 Class	Suitable for precision of 0.1-0.01g
F2 Class	Suitable for precision of 0.01-0.001g
F1 Class	Suitable for precision of 0.001-0.0001g



## Static eliminator

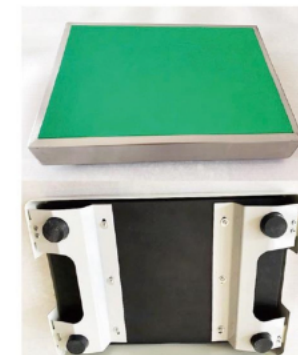
- Distance with ion source and sample: 5-40 cm
- Discharge time: 9 sec/5 cm, 13 sec/10 cm, 100 sec/40 cm (When fan is on).
- Ozone concentration: 0-0.05ppm (Distance of ion source 2cm)
- Environment condition: 0-50°C, 20-80% Air Humidity (Non-condensing)
- Max airflow: 0.06 cm<sup>3</sup>/min
- AC adapter: 100 – 240V, 50/60 Hz
- Product Size: 110\*105\*45mm
- N.W: 310 g
- Installation palce: Indoors only



## Balance Anti-Vibration Table

Designed for laboratory platforms to absorb vibration, reduce shock, and provide leveling adjustment.

Frame Material	Stainless steel, full steel
Specifications	Vertical rated load 50kg
Net weight	20Kg
Product size	480*340*60mm
Frequency range	10-50Hz
Description	The balance anti vibration table has four adjustable legs. Each leg features a 75° tilt for easy finger adjustment until level.
Colour	Green



## Other Accessories

NO.	Name	Specifications	Applicable
A	Grinder	White / Black	Sample grinding
B	Temperature kit		XY's moisture analyzers
C	Portable aluminum box	48*44*24cm	XY-MW, XY-MW-IR, XY-MW-R, XY-MW-T series
D	Plastic windshield	18*17*9.5cm	XY-C/XY-2C/XY-B/XY-1B/XY-2CS balances
	Folding windshield	18*18.5*9cm	
E	Dust cover	19*27*6.5cm	XY-2C/XY-1B/XY-2CS balances



A Grinder



B Temperature kit



C Portable aluminum box



D Folding Windshield



E Dust cover

## TXY Series

Specialized Printer for Balances

- Printing mode: 9-pin impact dot matrix
- Paper: 57mm width, plain paper, non-thermal
- Ribbon: EPSON ERC-09 or ERC-22
- Interface: RS232 / USB (TXY-120)
- Dimensions: 114.6 × 86.6 × 188.2 mm (W\*H\*L)



### Printable Report Formats

Weighing Mode

Statistical Calculation Mode

Pipette & Volumetric Flask Calibration Mode

### Other Weighing Application Modes

Loss on Drying Measurement

Weighing by Subtraction Mode

Accumulative Weighing Mode

<pre> XINGYUN Model: HR120 S/N: D23452456 ID: 1234 Date: 2023-03-28 Start Time: 17:30:22 Sample No. 00000000543 ----- 001 17:30:22 10.003 mg 002 17:30:25 10.004 mg 003 17:30:26 10.005 mg ----- End Time: 17:30:28 Signature:                     </pre>	<pre> XINGYUN Model: AUW120D S/N: D684297070 ID: 41100 Date: 2023-10-01 Time: 16:37:09 Sample No. 00000000247 ----- Tare: 10.001 mg Gross: 10.002 mg Net: 0.001 mg ----- End Time: 16:37:10 Signature:                     </pre>	<pre> XINGYUN Model: HR120 S/N: D23452456 ID: 1234 Date: 2023-03-28 Time: 17:35:02 Sample No. 00000000544 ----- 001 17:35:02 10.006 mg 002 17:35:04 10.007 mg 003 17:35:06 10.008 mg ----- End Time: 17:35:07 Signature:                     </pre>
---	---	---

Weighing Mode

Statistical  
Calculation Mode

Pipette & Volumetric  
Flask Calibration Mode

### Product features

Model	TXY-120	TXY-110	TXY-100
128*64 dot matrix OLED display	✓	✓	
Time and date printing (built in clock)	✓	✓	✓
Raw data printing mode	✓	✓	✓
Weighing printing mode	✓	✓	✓
Statistical calculation mode	✓	✓	
Summation calculation mode	✓	✓	
Averaging mode	✓	✓	
Tare / Net / Gross mode	✓	✓	
Recipe mode	✓	✓	
Operator permission management	✓	✓	
Sample name / batch number input	✓	✓	
Timing automatic printing	✓	✓	
Data curve printing	✓		
Data export function (via USB flash drive)	✓		
External bar code gun or keyboard	✓		
Weighing by subtraction	✓		
Loss on drying measurement	✓		
Pipette / volumetric flask calibration function	✓		



## PRINT-01

Line thermal printer

- Printing mode: Thermal printer
- Effective printing width: 48mm
- Paper width: 57mm ± 0.5mm
- Interface: RS232
- Dimensions size(mm): 150\*122\*93mm



## PRINT-S

Label Printer

- Printing mode: Thermal printer
- Paper width: 50\*60mm(optional) / 40\*30mm
- Interface: RS232
- Dimensions size(mm): 220\*110\*160mm



### Technical Specifications (Specifications may vary by model)

Model	PRINT-01	TXY-100	TXY-110	TXY-120
Interface	RS232	RS232	RS232	RS232
Print Mode	Line thermal printing	9-pin impact dot matrix		
Paper Width	57±0.5mm	57mm		
Dimensions	150*122*93mm	114.6*86.6*188.2mm(W*H*L)		
Functions	<ul style="list-style-type: none"> <li>· HD printing</li> <li>· 50mm/s print speed</li> </ul>	<ul style="list-style-type: none"> <li>· Header / footer printing</li> <li>· Date / time printing</li> </ul>	<ul style="list-style-type: none"> <li>· Header / footer printing</li> <li>· Date / time printing</li> <li>· Input serial number and product name</li> </ul>	<ul style="list-style-type: none"> <li>· Header / footer printing</li> <li>· Date / time printing</li> <li>· Input serial number and product name</li> <li>· Data export (USB)</li> <li>· External bar-code scanner / keyboard support</li> <li>· Operator permission management</li> <li>· Loss on drying measurement</li> <li>· Pipette / volumetric flask calibration function</li> </ul>
Compatible With	Moisture analyzers / selected balances	Moisture Analyzer / Electronic Balance		