

## “Precision Electronic Balances Price List May 1<sup>st</sup>, 2023”

### UniBloc Analytical Balances

#### Dual-range semi-micro balances

**AUW-D series**

AUW-D dual-range semi-micro balances are the first five-decimal balances with the advantages of UniBloc one-piece force cell technology.

**Choose one of the two models according to your field requirements.**

Excellent response, stability and zero return performance in a semi-micro balance.

| Model   | Type       | Calibration | Display      | Capacity | Pan Size | List Price ₹ |
|---------|------------|-------------|--------------|----------|----------|--------------|
| AUW220D | Semi Micro | Internal    | 0.01mg/0.1mg | 82g/220g | Ø 80     | 199,000.00   |



#### Basic Model with Improved Convenience

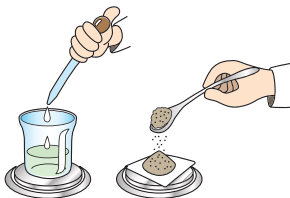
**AT-R series**

- Freely set responsiveness or stability
- Connect with a computer via USB or RS232C
- Perform stable measurements in combination with ionizer

#### Features of the AT-R Series

- Easy Settings Enable Responsiveness and stability to be Freely Changed

Responsiveness becomes very important when weighing xed amounts of powders and liquids. On the other hand, stability is required when weighing substances in environments subject to drafts or vibrations. The AT-R balances are equipped with a 5-stage indicator. It is easy to switch between a response focus (R) and a stability focus (S) during measurements.



Response-focused (R)  
for weighing process



Stability-focused (S)  
when vibrations  
become a concern



- Equipped with Two Interfaces: USB and RS232C

The balances are equipped as standard with two convenient interfaces for connection with a computer or PLC (programmable logic controller).

Human error can be prevented by direct transfer of weight values to the computer.

- Addition of an Ionizer Increases Measurement Reliability

The optional STABLO™-AP ionizer (static remover) quickly removes static from samples and containers, without creating a draft. This prevents reproducibility errors and fluctuations in measurement values due to static electricity. The static elimination can be enhanced by placing asks in the AP Holder (sold separately).

**AT-R Series**

**ATX-R**

**ATY-R**

| Model   | Type       | Calibration | Display | Capacity | Pan Size | List Price ₹ |
|---------|------------|-------------|---------|----------|----------|--------------|
| ATX84R  | Analytical | Built-In    | 0.1mg   | 82g      | Ø 91     | 118,000.00   |
| ATX124R | Analytical | Built-In    | 0.1mg   | 120g     | Ø 91     | 119,000.00   |
| ATX224R | Analytical | Built-In    | 0.1mg   | 220g     | Ø 91     | 120,000.00   |
| ATX324R | Analytical | Built-In    | 0.1mg   | 320g     | Ø 91     | 130,000.00   |
| ATY64R  | Analytical | External    | 0.1mg   | 62g      | Ø 91     | 103,500.00   |
| ATY124R | Analytical | External    | 0.1mg   | 120g     | Ø 91     | 104,000.00   |
| ATY224R | Analytical | External    | 0.1mg   | 220g     | Ø 91     | 105,000.00   |
| ATY324R | Analytical | External    | 0.1mg   | 320g     | Ø 91     | 115,000.00   |

|           |   |            |
|-----------|---|------------|
| EP-110    | Statistic Printer with AC Adaptor                         | 73,000.00  |
| STABLO-AP | Ionizer-Speed AC Discharge for Static Electricity Removal | 110,000.00 |
| SMK-501   | Specific Gravity Measurement Kit                          | 135,000.00 |

# AP Series

Advanced Performance UniBloc Balances

Provides High-speed Response and High Stability  
A New Stage in Analytical Balance Performance

**The new model with a minimum display of 0.01 mg is released.**

## High Speed

The response time for trace measurements (from 1 mg) is reduced to about 2 seconds. This significantly improves weighing efficiency.

## Stress Free

The STABLO-AP ionizer can be mounted. This eliminates the influence of static electricity, achieving reliable measurements in a simpler procedure.

## For Regulation

Interlocking with LabSolutions Balance enables compliance with a variety of regulations for measurement data integrity, including ISO 17025 for testing laboratories, ISO 9001 and ISO 14001 for the manufacturing industry, and GLP/GMP and the United States Pharmacopeia (USP) for the pharmaceutical industry.

## For HPLC

Functions are included for the preparation of buffer solutions used in HPLC. As a result, the operation can be performed accurately and easily, even by non-specialists.

## Save Your Operation

Equipped with USB as standard. Includes many diverse functions to support users.



AP-W / AP-X Series (with built-in calibration weights) AP-Y Series (without built-in calibration weights)

• AP135W with optional ionizer

### Fast Response with UniBloc AP Technology

Shimadzu analytical balances boast a one-piece UniBloc weighing sensor, which is now even more advanced. The response time is reduced to about 1/5 the time of previous models.



### Stress Free

A variety of accessories and options suitable for semi-micro measurements



With weighing paper, for example, if the tare is larger than the pan diameter, measurements can be simplified by attaching the special multi stand.



Long rod-shaped samples can be measured in a stable state by placing them in the slot in the special multi stand.

**The multi stand can be used freely and easily.**  
(0.01 mg model only, equipped as standard)

### Built-in High-Performance Ionizer (Optional)

The STABLO-AP ionizer (optional) can be mounted. (exclude AP-Y Series) This eliminates the influence of static electricity, achieving reliable measurements.



### The multi stand can be used freely and easily

A variety of accessories and options suitable for semi-micro measurements



Measuring weights with a pipette can be simplified by placing a micro tube upright in the sample holder in the special multi stand.



The internal windbreak plate suppresses the influence of convection and airflow within the weighing chamber, improving the stability and response of measurement values.

## AP series

## Advance Performance UniBloc Balances

| Model     | Type   | Calibration | Display        | Capacity   | Pan Size | List Price ₹ |
|-----------|--|-------------|----------------|------------|----------|--------------|
| AP135W    | Super Range (sm)   | Internal    | 0.01 mg        | 135g       | Ø 91     | 310,000.00   |
| AP225W    | Super Range (sm)   | Internal    | 0.01 mg        | 220g       | Ø 91     | 495,000.00   |
| AP125WD   | Semi-micro   | Internal    | 0.01 mg/0.1 mg | 52g/ 120g  | Ø 91     | 250,000.00   |
| AP225WD** | Semi-micro   | Internal    | 0.01 mg/0.1 mg | 102g/ 220g | Ø 91     | 270,000.00   |
| AP124W    | Analytical   | Internal    | 0.1 mg         | 120g       | Ø 91     | 215,000.00   |
| AP224W    | Analytical   | Internal    | 0.1 mg         | 220g       | Ø 91     | 225,000.00   |
| AP324W    | Analytical   | Internal    | 0.1 mg         | 320g       | Ø 91     | 260,000.00   |
| AP124X    | Analytical   | Internal    | 0.1 mg         | 120g       | Ø 91     | 190,000.00   |
| AP224X    | Analytical   | Internal    | 0.1 mg         | 220g       | Ø 91     | 195,000.00   |
| AP324X    | Analytical   | Internal    | 0.1 mg         | 320g       | Ø 91     | 225,000.00   |
| AP124Y    | Analytical   | External    | 0.1 mg         | 120g       | Ø 91     | 170,000.00   |
| AP224Y    | Analytical   | External    | 0.1 mg         | 220g       | Ø 91     | 175,000.00   |
| AP324Y    | Analytical   | External    | 0.1 mg         | 320g       | Ø 91     | 180,000.00   |
| EP-110    | Statistic Printer with AC Adaptor                                  |             |                |            |          | 73,000.00    |
| SMK-601   | Specific Gravity Measurement Kit                                   |             |                |            |          | 125,000.00   |
| STABLO-AP | Ionizer-Speed AC Discharge for Static Electricity Removal          |             |                |            |          | 110,000.00   |
| AP-MS     | AP-Multi Stand (for AP 4/5 Dec,5 Dec. std Acc) P/N:321-74057-01    |             |                |            |          | 5,500.00     |
| AP-H      | AP-Holder (Standard Std.Acc. in AP135W/AP225W) P/N:321-74525-01    |             |                |            |          | 17,000.00    |
| AP-WBP    | AP-Windbreak Plate (Internal Windbreak Plate set) P/N:321-74811-01 |             |                |            |          | 9,500.00     |



\*\*AP225WD applicable only for Non-Pharma Customers & Customers who are not using Shimadzu HPLC in their lab

# AP-AD Series AUTO-DOOR

Advanced Performance UniBloc Balances



Provides High-Speed Response and High Stability  
New automatic door functionality makes  
weighing operations even more convenient



- Touchless sensors and Smart Auto Door improve hygiene and lower contamination risk to provide a superior operating environment
- An ionizer and adjustable windbreak plate reduce static electricity and convection effects to provide highly stable and reliable measurement
- High-Security User Management (All models). Operations can be kept secure with user ID and password protection. Access rights can be specified separately for each user to prohibit unauthorized actions such as performing calibration or changing the settings. User IDs can also be used for barcode management.

## Smart Auto Door Improves Work Efficiency

The AP-AD series features automatic doors. That means operators can continue working without setting down samples or spatulas which can help shorten overall measurement times.

## Door Open/Close Soothly and Quickly

Door opening/closing time is about one second. The quick and smooth door action enables stress-free operation.

## More Extensive Commands for Production Line Applications

### > Computer-Controlled Door Open/Close Operation

This is ideal for managing very small measurement quantities, such as for controlling coating quantities applied on a production line.

### > More Commands Compatible with Non-Shimadzu Brands

The list of commands that support opening/closing doors, acquiring weighing data, or other actions on non-Shimadzu products has been expanded. That means existing programs can be used more effectively.

## Adjustable Opening/Closing Distance Using Automatic Learning Functionality

The automatic doors include automatic learning functionality that enables freely setting how far to open/close each glass door. That minimizes external air effects and increases operational efficiency.

## Doors can be opened/closed by three methods, depending on preference.

Open/close by waving a hand over the left and right infrared sensors

That enables door operation without touching the balance

Open/close by pressing the left and right buttons on the front

That allows opening/closing doors with a satisfying click sensation.

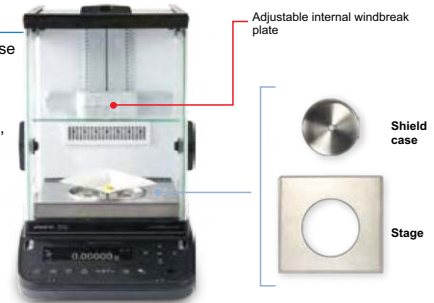
Open/close using the manual trigger function

The glass doors open/close automatically after the doors are moved about 10 mm. That enables intuitive door operation

## Suppresses the Effect of Convections

A patent-pending structure around the weighing pan (shield case and stage) and adjustable windbreak plate are included as standard features\*. These features reduce the effects of convective currents inside the weighing chamber, which can occur due to temperature variations caused by air conditioners, to ensure superior responsiveness and stability. If weighing papers, microtubes, or other items are used for measuring, use the included multi-stand accessory.

\*Only available on W-AD series 0.01 mg models



## Equipped Standard with a STABLO™-AP Ionizer

This ionizer eliminates the influence of static electricity to achieve reliable measurements without requiring tedious steps.

The STABLO-AP ionizer can eliminate static electricity on samples, containers, and other surfaces quickly and easily by pressing just one button, resulting in increased reproducibility and operational efficiency.

The ionizer uses the AC method to provide superior long-term stability without worry of reverse charging. That ensures higher measurement reliability than ever before.

The adjustable windbreak plate\* and STABLO-AP ionizer are great for weighing samples in the following situations!



Numerical values fluctuate due to electrically charged powder in a Petri dish



Numerical values do not stabilize due to electrically charged weighing paper



Measurement values change when an electrically charged measuring spoon is simply moved near the sample



## NEW AP-AD series

## Advance Performance AUTOMATIC DOOR UniBloc Balances

| Model        | Type             | Calibration | Display        | Capacity    | Pan Size | List Price ₹ | Demo Video   |
|--------------|------------------|-------------|----------------|-------------|----------|--------------|--|
| AP135W-AD    | Super Range (sm) | Built-in    | 0.01 mg        | 135g        | Ø 91     | P.O.R        | <b>NEW AUTO DOOR AP-AD SERIES</b><br><a href="https://youtu.be/3rZmzXeAmEo">https://youtu.be/3rZmzXeAmEo</a><br><b>IONIZER STABLO-AP</b><br><a href="https://youtu.be/xmzLKyKn5e4">https://youtu.be/xmzLKyKn5e4</a><br><b>AP-HOLDER</b><br><a href="https://youtu.be/wl91PggM3-c">https://youtu.be/wl91PggM3-c</a> |
| AP225W-AD    | Super Range (sm) | Built-in    | 0.01 mg        | 220g        | Ø 91     | P.O.R        |  |
| AP125WD-AD   | Dual Range (sm)  | Built-in    | 0.1 mg/0.01 mg | 120g / 52g  | Ø 91     | P.O.R        |  |
| AP225WD-AD** | Dual Range (sm)  | Built-in    | 0.1 mg/0.01 mg | 220g / 102g | Ø 91     | P.O.R        |  |
| AP224W-AD    | Analytical       | Built-in    | 0.1 mg         | 220g        | Ø 91     | P.O.R        |  |
| AP324W-AD    | Analytical       | Built-in    | 0.1 mg         | 320g        | Ø 91     | P.O.R        |  |

\*\*AP225WD-AD applicable only for Non-Pharma Customers & Customers who are not using Shimadzu HPLC in their lab



# UP Series



## UniBloc Performance Balances

Superior Response Significantly Increases Weighing Efficiency

### High Speed

The display response time for weighing minute quantities (from about ten times the minimum display value) is about one second. That significantly improves weighing efficiency.

### Toughness

Using the highly impact resistant UniBloc sensor minimizes downtime due to malfunctions

### Stress Free

The STABLOAP ionizer (optional) eliminates static electricity effects to provide highly reliable measurements without any time-consuming steps.



### UPX/UPY



#### X Series with Internal Calibration Weights

| Model   | Type      | Calibration | Display    | Capacity | Pan Size   | List Price ₹ |
|---------|-----------|-------------|------------|----------|------------|--------------|
| UP223X  | Precision | Internal    | 1mg/0.001g | 220g     | 108x105 mm | 99,000.00    |
| UP423X  | Precision | Internal    | 1mg/0.001g | 420g     | 108x105 mm | 107,000.00   |
| UP623X  | Precision | Internal    | 1mg/0.001g | 620g     | 108x105 mm | 119,000.00   |
| UP823X  | Precision | Internal    | 1mg/0.001g | 820g     | 108x105 mm | 138,000.00   |
| UP1023X | Precision | Internal    | 1mg/0.001g | 1020g    | 108x105 mm | 155,000.00   |
| UP422X  | Precision | Internal    | 10mg/0.01g | 420g     | 108x105 mm | 93,000.00    |
| UP822X  | Precision | Internal    | 10mg/0.01g | 820g     | 108x105 mm | 108,000.00   |
| UP2202X | Precision | Internal    | 10mg/0.01g | 2200g    | 170x180 mm | 103,000.00   |
| UP4202X | Precision | Internal    | 10mg/0.01g | 4200g    | 170x180 mm | 111,000.00   |
| UP6202X | Precision | Internal    | 10mg/0.01g | 6200g    | 170x180 mm | 120,000.00   |
| UP4201X | Precision | Internal    | 100mg/0.1g | 4200g    | 170x180 mm | 109,000.00   |
| UP8201X | Precision | Internal    | 100mg/0.1g | 8200g    | 170x180 mm | 117,000.00   |

#### Y Series with External Calibration Weights

| Model   | Type      | Calibration | Display    | Capacity | Pan Size   | List Price ₹ |
|---------|-----------|-------------|------------|----------|------------|--------------|
| UP223Y  | Precision | External    | 1mg/0.001g | 220g     | 108x105 mm | 89,000.00    |
| UP423Y  | Precision | External    | 1mg/0.001g | 420g     | 108x105 mm | 97,000.00    |
| UP623Y  | Precision | External    | 1mg/0.001g | 620g     | 108x105 mm | 109,000.00   |
| UP823Y  | Precision | External    | 1mg/0.001g | 820g     | 108x105 mm | 128,000.00   |
| UP1023Y | Precision | External    | 1mg/0.001g | 1020g    | 108x105 mm | 145,000.00   |
| UP422Y  | Precision | External    | 10mg/0.01g | 420g     | 108x105 mm | 83,000.00    |
| UP822Y  | Precision | External    | 10mg/0.01g | 820g     | 108x105 mm | 104,000.00   |
| UP2202Y | Precision | External    | 10mg/0.01g | 2200g    | 170x180 mm | 93,000.00    |
| UP4202Y | Precision | External    | 10mg/0.01g | 4200g    | 170x180 mm | 101,000.00   |
| UP6202Y | Precision | External    | 10mg/0.01g | 6200g    | 170x180 mm | 110,000.00   |
| UP4201Y | Precision | External    | 100mg/0.1g | 4200g    | 170x180 mm | 99,000.00    |
| UP8201Y | Precision | External    | 100mg/0.1g | 8200g    | 170x180 mm | 107,000.00   |

|           |   |            |
|-----------|---|------------|
| EP-110    | Statistic Printer with AC Adaptor                         | 73,000.00  |
| STABLO-AP | Ionizer-Speed AC Discharge for Static Electricity Removal | 110,000.00 |
| SMK-101 A | UPX/UPY (Capacity 2200g or more)                          | 165,000.00 |
| SMK-102   | UPX/UPY (Capacity 420g-820g)                              | 165,000.00 |



SMK-101

# Moisture Balances

## UniBloc Electronic Moisture Balance



This unit makes moisture content measurements quick and easy

- The moisture ratio is found by heating the sample with the built-in halogen heater to drive out the moisture.
- The measurement procedure is simple. Just close the heater cover to start the measurement (automatic starting mode).
- Measurements are faster than the loss on drying method using a dryer.
- A USB connector makes connecting to a PC easy (built-in Balance Keys function).
- Equipped with the UniBloc aluminum block mass sensor.



Measure the moisture ratio of even large or large amounts of samples

- The moisture ratio is found by heating the sample with the built-in infrared heater.
- The sample pan measures 130 mm in diameter, which is optimal for large and large amounts of samples.
- Importing results to a PC is easy (equipped with the Balance Keys function).
- Equipped with the UniBloc aluminum block mass sensor.



| Model   | Calibration | Display    | Capacity | Pan Size | List Price ₹ |
|---------|-------------|------------|----------|----------|--------------|
| MOC63u  | External    | 1mg/0.001g | 60g      | Ø 95     | 170,000.00   |
| MOC120H | External    | 1mg/0.001g | 120g     | Ø 130    | 495,000.00   |

# UniBloc Precision Platform Balances

## Precision Platform Balances



The Shimadzu Precision Platform balances have been engineered with the innovative UniBloc mechanism since 1989. Powerful features support any imaginable weighing application. BW-K Series includes internal calibration weight.

| Model  | Type     | Calibration | Display    | Capacity | Pan Size | List Price ₹ |
|--------|----------|-------------|------------|----------|----------|--------------|
| BW12KH | Platform | Internal    | 100mg/0.1g | 12kg     | 345x250  | 285,000.00   |
| BW22KH | Platform | Internal    | 100mg/0.1g | 22kg     | 345x250  | 290,000.00   |
| BW32KH | Platform | Internal    | 100mg/0.1g | 32kg     | 345x250  | 305,000.00   |
| BW32KS | Platform | Internal    | 1000mg/1g  | 32kg     | 345x250  | 290,000.00   |
| BW52KS | Platform | Internal    | 1000mg/1g  | 52kg     | 345x250  | 310,000.00   |
| BX12KH | Platform | External    | 100mg/0.1g | 12kg     | 345x250  | 215,000.00   |
| BX22KH | Platform | External    | 100mg/0.1g | 22kg     | 345x250  | 220,000.00   |
| BX32KH | Platform | External    | 100mg/0.1g | 32kg     | 345x250  | 225,000.00   |
| BX32KS | Platform | External    | 1000mg/1g  | 32kg     | 345x250  | 215,000.00   |
| BX52KS | Platform | External    | 1000mg/1g  | 52kg     | 345x250  | 225,000.00   |

## Top-Loading Balances (TW/TX series only)

### TW/TX/TXB/TWC/TXC Series



The beginning of the new standard.  
Extremely capable, but easy to operate.

| Model    | Type    | Calibration | Display    | Capacity | Pan Size  | List Price ₹ |
|----------|---------|-------------|------------|----------|-----------|--------------|
| TW223L   | Top Pan | Internal    | 1mg/0.001g | 220g     | Ø 110     | 90,000.00    |
| TW323L   | Top Pan | Internal    | 1mg/0.001g | 320g     | Ø 110     | 95,000.00    |
| TW423L   | Top Pan | Internal    | 1mg/0.001g | 420g     | Ø 110     | 99,000.00    |
| TX223L   | Top Pan | External    | 1mg/0.001g | 220g     | Ø 110     | 75,000.00    |
| TX323L   | Top Pan | External    | 1mg/0.001g | 320g     | Ø 110     | 76,000.00    |
| TX423L   | Top Pan | External    | 1mg/0.001g | 420g     | Ø 110     | 77,000.00    |
| TX2202L  | Top Pan | External    | 10mg/0.01g | 2.2kg    | 167x181mm | 66,500.00    |
| TX3202L  | Top Pan | External    | 10mg/0.01g | 3.2kg    | 167x181mm | 67,000.00    |
| TX4202L  | Top Pan | External    | 10mg/0.01g | 4.2kg    | 167x181mm | 70,000.00    |
| TXB622L  | Top Pan | External    | 10mg/0.01g | 620g     | Ø 110     | 53,500.00    |
| TXB6201L | Top Pan | External    | 100mg/0.1g | 6.2kg    | Ø 160     | 53,500.00    |

## Top Loading Balances

### Top-Loading Balances



High-resolution balances made affordable

Small pan model with windbreak

Large-pan model

| Model   | Type    | Calibration | Display    | Capacity | Pan Size | List Price ₹ |
|---------|---------|-------------|------------|----------|----------|--------------|
| BL220H  | Top Pan | External    | 1mg/0.001g | 220g     | 100x100  | 43,000.00    |
| BL2200H | Top Pan | External    | 10mg/0.01g | 2.2kg    | 160x124  | 43,000.00    |

## Jewelry & Gold Balances

### Jewelry & Gold Balances



TX Series

TXB Series

| Model   | Type        | Calibration | Display    | Capacity | Pan Size  | List Price ₹ |
|---------|-------------|-------------|------------|----------|-----------|--------------|
| TW423L  | Top Pan     | Internal    | 1mg/0.001g | 420g     | Ø 110     | 99,000.00    |
| TX323L  | Top Pan     | External    | 1mg/0.001g | 320g     | Ø 110     | 76,000.00    |
| TX3202L | Top Pan     | External    | 10mg/0.01g | 3.2kg    | 167x181mm | 67,000.00    |
| TXB622L | Top Pan     | External    | 10mg/0.01g | 620g     | Ø 110     | 53,500.00    |
| TWC323L | Carat Scale | Internal    | 0.001ct    | 320ct    | Ø 80      | P.O.R        |
| TXC323L | Carat Scale | External    | 0.001ct    | 320ct    | Ø 80      | P.O.R        |
| TWC623L | Carat Scale | Internal    | 0.001ct    | 620ct    | Ø 80      | P.O.R        |
| TXC623L | Carat Scale | External    | 0.001ct    | 620ct    | Ø 80      | P.O.R        |



TWC/TXC Series  
CARAT Scale for Diamonds,  
Gems & Jewellery

## SHI-AM TECHNOLOGIES INDIA LLP

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Order to be placed on : Plot No.210, Gala No-B, GIDC Station road, Umbergaon 394 171

\*Extra GST 18%

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