C054-E066C

SHIMADZU
Excellence in Science

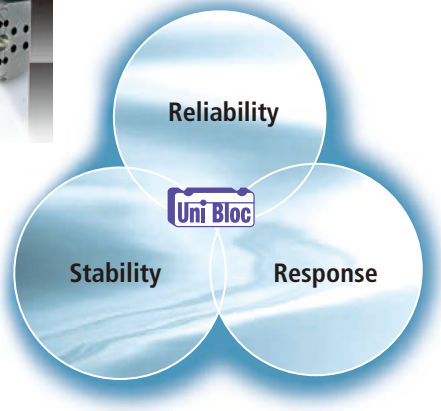
UniBloc Analytical Balances

ATX/ATY Series

Durable, high-performance aluminum alloy mass sensor UniBloc

The ATX/ATY series incorporates a one-piece aluminum alloy mass sensor technology (UniBloc), first introduced by Shimadzu for precision balances in 1989. It excels in performance, and resists deterioration and damage by ordinary impacts. The UniBloc's compact, uniform structure replaces 70 parts found in a conventional electromagnetic balance sensor assembly and ensures stable temperature characteristics, excellent response time and stable corner-load performance.
The UniBloc design permits a consistency of production that assures reliability and a long operational life.

3 Benefits of UniBloc.



Touch-key Calibration

Automated calibration can be started by pressing keys. (ATX series)
Also, your external calibration weights can be used for span calibration. (All models)

Easy Setting Best fit to weighing application

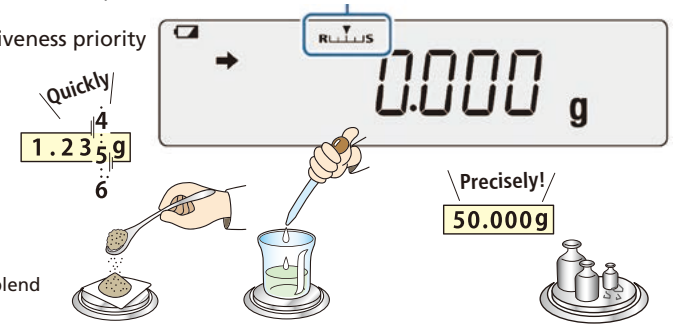
Patented

Quickly adjust the desired ratio of stability and response for every a
even during measurement, with one-touch operat

Indicator

Responsiveness priority

Stability priority

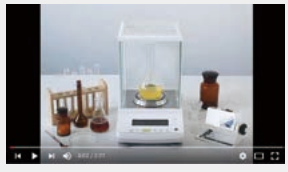


- When you want to do a quick measurement
- When you want to raise the operation efficiency
- When you want to measure or blend the determination of liquid or powder samples

- When the numerical value is unstable
- When using in the vibration environment
- When the airflow exists constantly and the numerical value fluctuates frequently

Check the overview of AT on our website.

http://www.shimadzu.com/an/balance/at.html



Check the easy setting video on YouTube.

https://www.youtube.com/watch?v=9zVWxjx-J_g&list=PLCPY11zjvhZPmTi_xW1oGJeSuI-YR6qaV&index=1

Calibration record

You can leave a record of execution of calibration. With serial number and ID of balance.

Large pan size

This model has the largest weighing pan in the class (91mm diameter).

Multiple weighing units

In addition to grams (g), weigh in ct, mg, oz, etc. or a custom conversion units.

Expanded Piece Counting Function

Unit weights of up to 5 different samples can be easily entered, stored and recalled for use.

Comparator Function

Compare samples to target values or pass/fail criteria and clearly indicate the results.

Formulation Mode

Convenient for making many measurements of minute samples and seeking the total mass.

% measurement

The weight of the sample is converted to a percentage of the reference weight.

Power saving function

When weighing operation ends. Power automatically turns off after a fixed or pre-set time.

WindowsDirect Communication Function

Send balance data to Excel or other Windows applications without any data communication software installation required. By combining standard AutoPrint functions with typical spreadsheet functions, even difficult applications can be easily automated.

*RS232C interface is needed.

Password lock

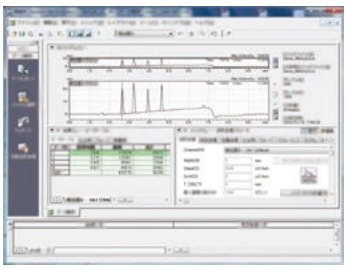
In order to ensure that the menu settings are not changed by mistake, the person managing the Balance controls the password and can prohibitmenu operation.

Weighing results and analysis results can be stored in a database. Reports can be generated according to results in a prescribed format.

Analytical Balance
AT series

Weighing results by Balance

Analysis results by LC

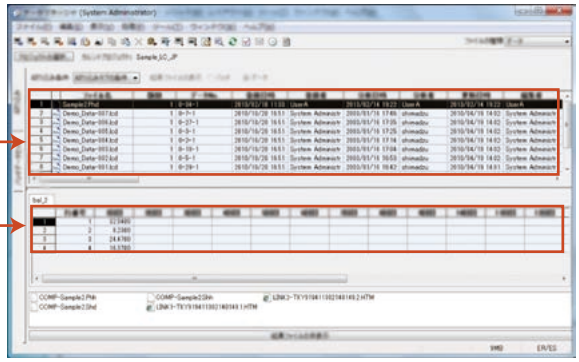


UHPLC
Nexera X2

Database

Analysis results by LC

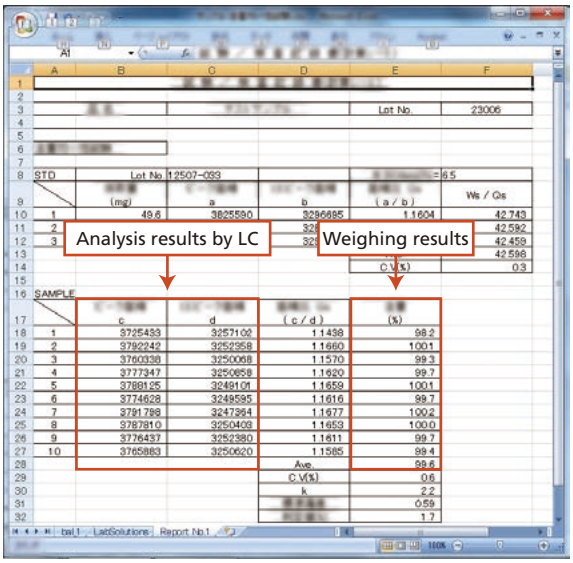
Weighing results by Balance



LabSolutions software can store analysis results and weighing results in a database at the same time.

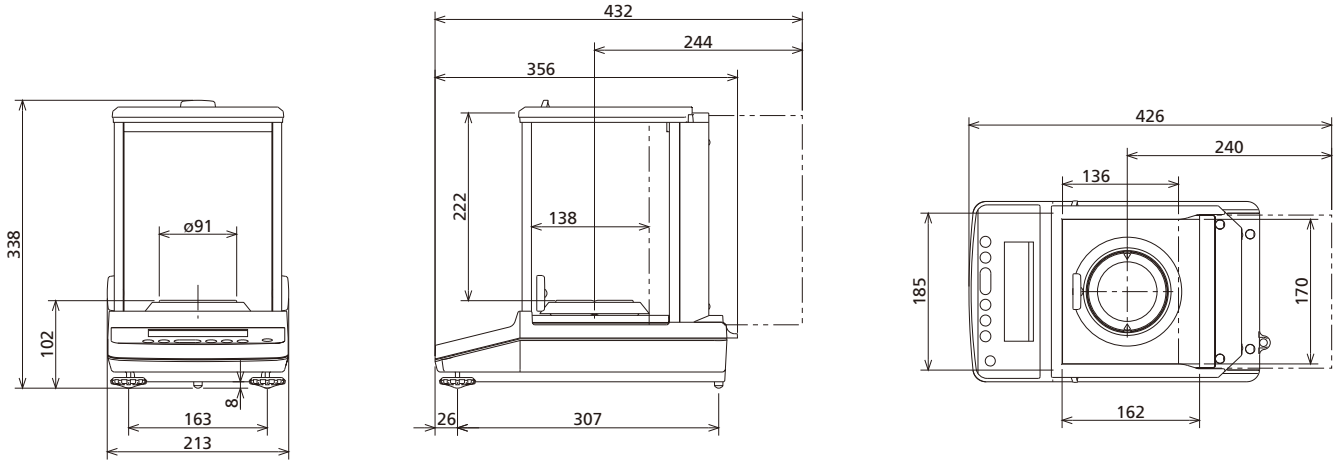
* The optional software (LabSolutions Balance) is required in order to connect with LabSolutions.

Report example



The report can be generated automatically according to results.

Dimensions



Specifications

ATX/ATY series

Model	ATX84	ATX124	ATX224	ATX324 (NEW)	ATY64	ATY124	ATY224	ATY324 (NEW)
Capacity	82g	120g	220g	320g	62g	120g	220g	320g
Minimum Display	0.1mg							
Repeatability (Standard Deviation)	≤0.1mg							
Linearity	± 0.2mg							
Stabilisation Time[*1]	Approx. 3.0 seconds							
Operating Temperature and Humidity Limits	5-40˚C 20-85%[*2]							
Temperature Coefficient for Sensitivity (10-30˚C)	± 2 ppm/˚C							
Pan Size (mm) approx.	ø91							
Main Body Dimensions (mm) approx.	213(W) × 356(D) × 338(H)							
Main Body Weight (kg) approx.	6.2				6.0			
Power Requirement	12V, 1A							
Internal Calibration	●				–			

*1 The Stabilisation time is a representative value
*2 No condensation

Options

Description
EP-100 Printer
EP-110 Printer
I/O-RS cable
Protection Cover
STABLO-AP Ionizer
USB conversion kit

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Shimadzu Corporation

www.shimadzu.com/an/

First Edition: March 2010, Printed in Japan 3655-02715-30AIK