

SHIMADZU ELECTRONIC BALANCES

General Catalog



JQA-03/6

Founded in 1875, Shimadzu Corporation, a leader in the development of advanced technologies, has a distinguished history of innovation built on the foundation of contributing to society through science and technology. We maintain a global network of sales, service, technical support and applications centers on six continents, and have established long-term relationships with a host of highly trained distributors located in over 100 countries. For information about Shimadzu, and to contact your local office, please visit our Web site at

www.shimadzu.com

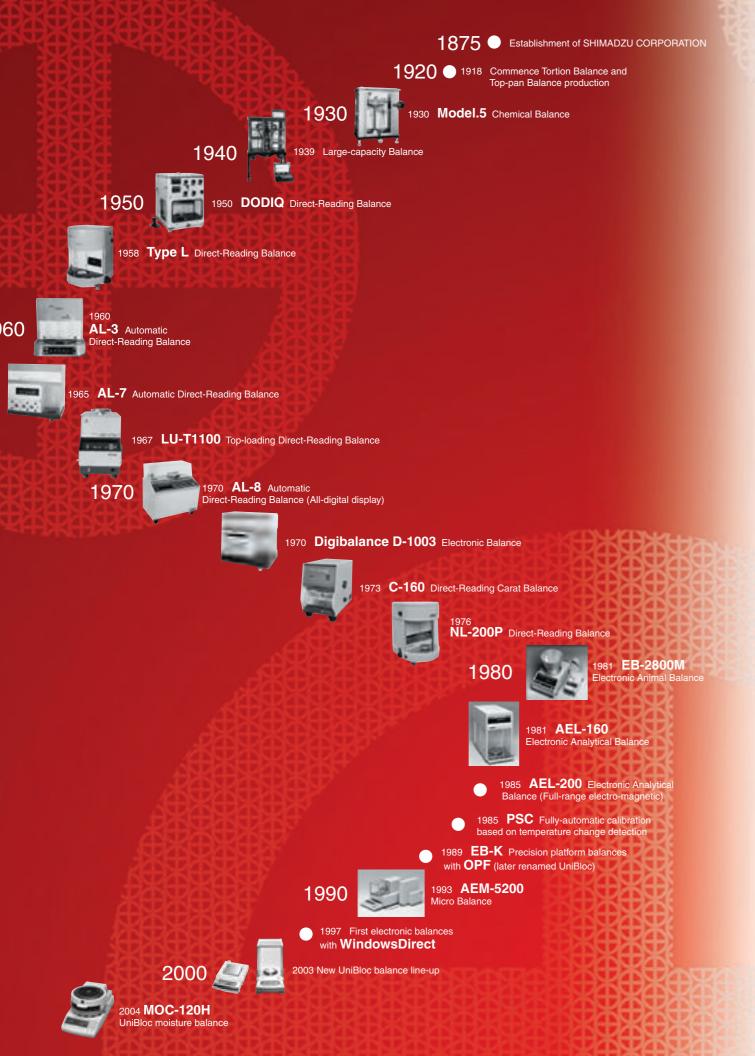
For information about Shimadzu Electronic Balances, please visit our Web site at

www.shimadzu.com/balance



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SHIMADZU ELECTRONIC BALANCES

SHIMADZU: A Tradition of Weighing Expertise

Shimadzu Corporation was established in 1875 in Kyoto, Japan, as one of the pioneers of scientific precision instruments.

Top-pan and torsion balance production started in 1918, and equal-beam analytical balances were introduced in 1925. Since their release, the continuous improvement of Shimadzu balances has contributed to research and development across all industries.

Around the turn of the 20th Century, precision weighing was a time-consuming practice performed only by experienced operators. Placing the sample and small masses on pans hung from a beam scale with a moving indicator was a tedious process. Shimadzu strove continuously to streamline weighing procedures. The introduction of the direct reading analytical balance (patented in Japan in 1948) signified a new era in weighing technology. In the Type L balance, the sensitive massloading work was replaced by convenient dial operations. Users reduced weighing time by 66%, and consequently reduced demand for conventional balances.

Shimadzu then added the top-loading direct reading balance with Roberval's mechanism in 1959. Until recently many of these instruments were still utilized in modern laboratories.

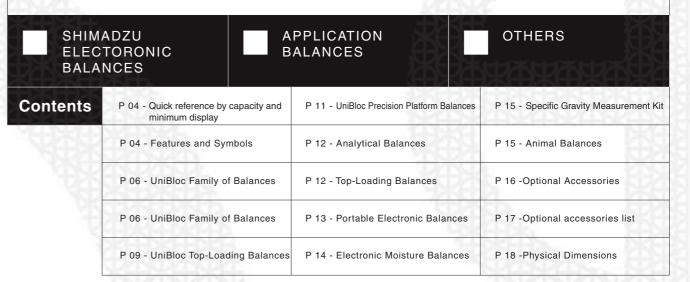
Shimadzu continued to pioneer new technologies, releasing its first electronic balance in 1971-the Digibalance.

This release marked a milestone in precision weighing, introducing simplicity and ease of use to analytical weighing. Six years later (1977), the application of microprocessors in electronic balances further enhanced weighing performance. The compact ED Series provided substantial improvements in sensitivity, resolution, and stability.

More recently, Shimadzu has introduced user-friendly instruments and features to the market, such as: the temperature-based fully-automatic calibration in 1985, the first one-piece forcecell (OPF, later renamed UniBloc) in 1989, the high-sensitivity AEM-5200 Micro Balance in 1993, and the unique Windows® Direct feature perfectly suited for the computerized laboratory of the 21st Century.

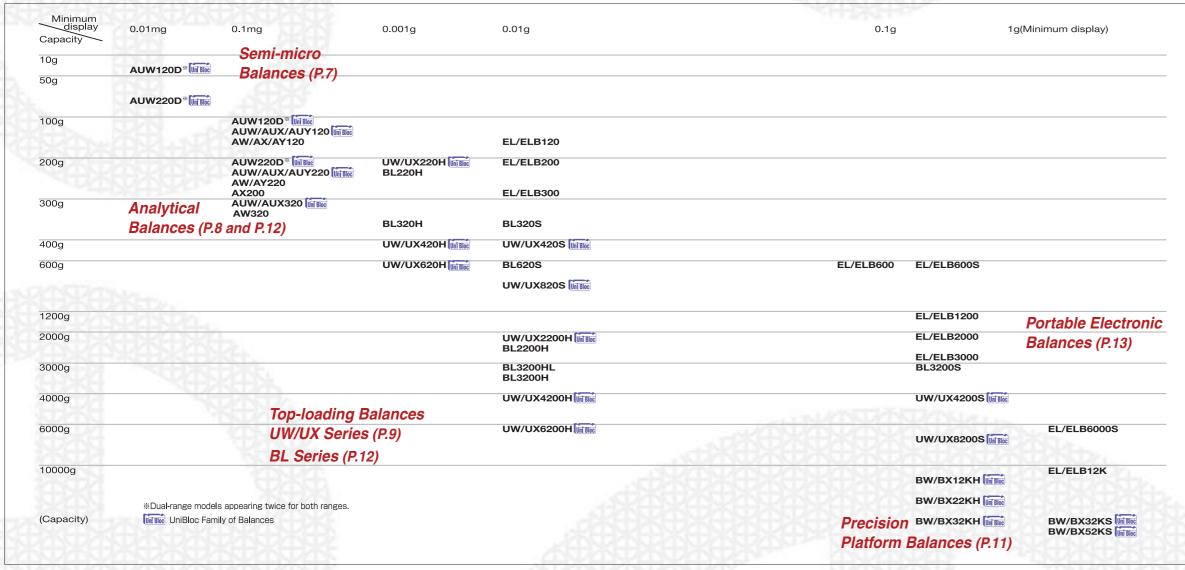
Moving forward, Shimadzu is committed to providing innovative products for the analytical marketplace.

One of the latest achievements is AUW-D series, the world's first semi-micro balances with the advantages of UniBloc one-piece forcecell technology.



Quick reference by capacity and

minimum display





Features and Symbols

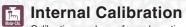
REDUCE MANUAL CALIBRATION WORK

Perfect Self Calibration

The balance self-calibrates when it detects temperature changes that would affect accuracy. Operator is released from constantly monitoring surrounding conditions.

Clock-CAL

Fully automated feature initiates self-calibration at set time intervals, using motor-driven internal calibration weight. Up to three automatic calibrations per day may be pre-set to coincide with work schedules or to meet specific



Calibration can be performed any time with a simple push-button operation.

One-lever CAL Single lever operation loads and unloads built-in calibration weight.



Date and time can be readily supplied by the balance.



Weighed result is directly typed at the cursor position of any application on Windows® OS. No communication software is required.

GLP, GMP, AND ISO9000 CONFORMANCE

With optional printer connected to the balance, calibration reports which meet the requirements of GLP, GMP, and ISO9000 can be produced.



Calibration Report

Built-in Clock

Piece Counting Mode Piece counting function is a standard feature.



Specific Gravity Measurement Software for specific gravity measurement is pre-installed. Simply add optional specific gravity kit for efficient measurements.

Standard Below-weigh Hook Measurement beneath the balance is possible.

Interval Timer Output

Data can be automatically output at pre-set time intervals.

AUTO PRINT Auto Print

Data can be automatically output as each measurement is made.

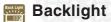
Checkweighing

Utilized in quality control applications. **Dry Battery Operation**

Portable for use in the field.

OTHER FEATURES

Single-block technology brings high performance and durability.



Easy to read in any environment.



UniBloc Family of Balances

[UniBloc Analytical Balances]

AUW-D series dual-range semi-micro balances

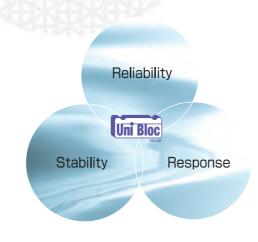
[UniBloc Top-loading Balances]

UW/UX series

[UniBloc Precision Platform Balances]

BW-K/BX-K series





Shimadzu introduced one piece force cell technology for precision balances in 1989. Today's UniBloc is created by high-precision electric discharge wire processing applied to a block of aluminum alloy, and replaces the conventional electro-magnetic balance sensor assembly. UniBloc's compact, uniform structure ensures stable temperature characteristics, excellent response time and stable corner-load performance. The UniBloc design permits a consistancy of production that assures reliability and a long operational life.

The updated UniBloc technology expanded the UniBloc balance line up, which now ranges from semi-micro with minimum display of 0.01mg to precision platform balances up to 52kg in capacity.

One piece force cell patented in USA in 1989, No.4799561, in China in 1991, No.12729, in Japan in 1995, No.1905686

UniBloc Analytical Balances

AUW-D series dual-range semi-micro balances AUW/AUX/AUY series analytical balances

Excellent Weighing Performance

- Compact UniBloc mechanism and digital processing technology produce fast response and stability at the same time.
- Microprocessor digital control can be set to automatically provide the most suitable data processing for the installation environment and weighing application.

For Application

• Shimadzu's unique WindowsDirect is a standard feature for all the UniBloc Analytical Balances.

Measurement results can be transmitted to Excel or other Windows applications without any software installation to your computer. All you have to add is one RS-232C cable.

Windows® Direct works with Windows® 95, 98, NT4.0, 2000, ME and XP.

• Piece counting, various mass units, below-weigh hook, specific gravity measurement software are all standard features

User-friendly Features

- Weighing work is made easy by the smooth door movement. It is easy to remove and replace the door rails for cleaning.
- The embossed key panel sheet provides clear clicking response as operated. The key operations can be confirmed with a gentle beeping sound, too.
- Level adjustment can be performed with ease.



dual-range semi-micro balances

AUW-D series







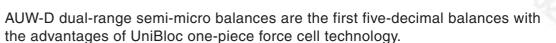










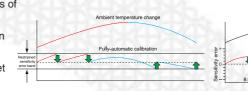


Choose one of the two models according to your field requirements.

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

Choice of fully-automatic calibrations : PSC and Clock-CAL

Operator can choose from two types of fully-automatic span calibration methods. "PSC" is initiated based on temperature change detection, and "Clock-CAL" operates at user pre-set times (up to three times a day).







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■ GLP/GMP/ISO calibration report

Calibration report can be automatically printed out with the optional electronic printer. Date and time are also output to meet GLP/GMP/ISO requirements.

WindowsDirect (See p.5)

Weighed data can be directly typed into any Windows application and no interface software is required.

Model	Capacity	Minimum display	Pan size(mm)	Internal calibration	Internal calibration modes	WindowsDirect
AUW220D	220g/82g	0.1mg/0.01mg	80 dia	•	PSC, Clock-CAL, any time with key touch	•
AUW120D	120g/42g	0.1mg/0.01mg	80 dia	•	PSC, Clock-CAL, any time with key touch	•

Analytical balances

AUW/AUX/AUY series

AUW PSC IN INC. So INC





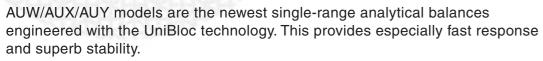






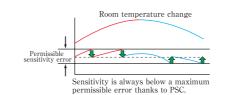








Calibration is carried out when temperature change has been detected



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Clock-CAL, fully-automatic calibration (AUW models only)

Calibration carried out at user-preset times (up to three times a day). Operators can work without unexpected interruptions.

GLP/GMP/ISO calibration report (AUW/AUX models only)

Meets requirements of GLP/GMP/ISO9000. Calibration reports can be output with date and time. provided by the built-in clock.

WindowsDirect (See p.5)

Weighed data can be directly typed into any Windows application and no interface software is required.

Backlight LCD (AUW models only)

LCD with backlight can be read with ease and comfort under any lighting condition.



Model	Capacity	Minimum display	Pan size(mm)	Internal calibration	Internal calibration modes	WindowsDirect
AUW320	320g	0.1mg	80 dia	•	PSC, Clock-CAL, any time with key touch	•
AUW220	220g	0.1mg	80 dia	•	PSC, Clock-CAL, any time with key touch	•
AUW120	120g	0.1mg	80 dia	•	PSC, Clock-CAL, any time with key touch	•
AUX320	320g	0.1mg	80 dia	•	PSC, any time with key touch	•
AUX220	220g	0.1mg	80 dia	•	PSC, any time with key touch	•
AUX120	120g	0.1mg	80 dia	•	PSC, any time with key touch	•
AUY220	220g	0.1mg	80 dia		24(04(04)	•
AUY120	120g	0.1mg	80 dia		NUMBERRARY	ALFERL TY

UniBloc Top-Loading Balances

Top-Loading Balances

UW/UX Series



















The new line of Shimadzu top-loading balances are engineered with the UniBloc mechanism resulting in unrivaled response, stability and durability. Powerful features support any imaginable weighing application. UW Series includes internal calibration and fully-automatic calibration functions.

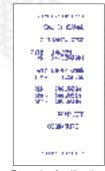






Small-pan model (minimum display 0.001g)

* The delivered windbreak may differ from the photo



Meets requirements of GLP/GMP/ISO9000. Calibration reports can be output with date and time, provided by the built-in clock.

Example of calibration record

Analog display modes

Bar graph display

Bar graph clearly indicates the total weight (including the tare) as a portion of the balance capacity.

Select a target weight and tolerance. The display clearly indicates when they are reached.

Checkweighing

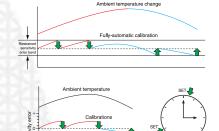
Set an upper and lower threshold. The display continually indicates whether the sample is within the range "GO", over range "HI" or under range "LO". Choose one of two checkweighing bar graph display modes. The results can also be output to external devices.

PSC, fully-automatic calibration (UW only)

Calibration is carried out when temperature change has been detected.

Clock-CAL, fully-automatic calibration (UW only)

Calibration carried out at user-preset times (up to three times a day). Operators can work without unexpected interruptions.



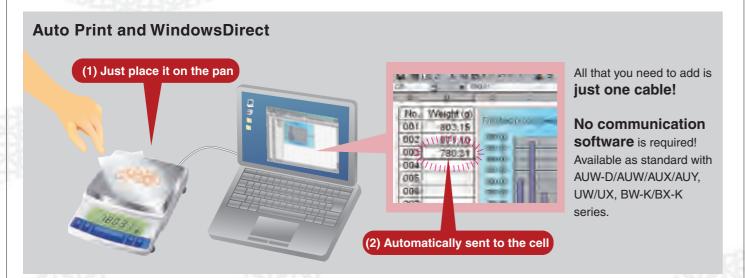
WindowsDirect (See p.5)

Weighed data can be directly typed into any Windows application and no interface software is required.



Auto Print

Automatically outputs data as each measurement is made. Combination with WindowsDirect makes up a handy weigh-and-record system.



Back light LCD

LCD with back light can be read with ease and comfort under any lighting condition.

Unit coversion and piece counting function

Weight value can be presented in 22 different units and modes, including percentage, carat, specific gravity, lb, oz, and others. Users can pre-register any combination of units depending on their needs. Piece counting function is standard.

Model	Pan type	Capacity	Minimum display	Pan size(mm) approx.	
UW420H*	Small-pan	220g	0.001g	108X105	
UW420H*	Small-pan	420g	0.001g	108X105	
UW620H*	Small-pan	620g	0.001g	108X105	
UW2200H	Large-pan	2200g	0.01g	170X180	
UW4200H	Large-pan	4200g	0.01g	170X180	
UW6200H	Large-pan	6200g	0.01g	170X180	
UW420S	Small-pan	420g	0.01g	108X105	
UW820S	Small-pan	820g	0.01g	108X105	
UW4200S	Large-pan	4200g	0.1g	170X180	
UW8200S	Large-pan	8200g	0.1g	170X180	

Model	Pan type	Capacity	Minimum display	Pan size(mm) approx.	
UX220H*	Small-pan	220g	0.001g	108X105	
UX420H*	Small-pan	420g	0.001g	108X105	
UX620H*	Small-pan	620g	0.001g	108X105	
UX2200H	Large-pan	2200g	0.01g	170X180	
UX4200H	Large-pan	4200g	0.01g	170X180	
UX6200H	Large-pan	6200g	0.01g	170X180	
UX420S	Small-pan	420g	0.01g	108X105	
UX820S	Small-pan	820g	0.01g	108X105	
UX4200S	Large-pan	4200g	0.1g	170X180	
UX8200S	Large-pan	8200g	0.1g	170X180	

UniBloc Precision Platform Balances

Precision Platform Balances

BW-K/BX-K Series

BW-K So Comment of the control of th

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.



Meets requirements of GLP/GMP/ISO9000. Calibration reports can be output with date and time provided by the built-in clock.

Analog display modes

Bar graph display

Bar graph clearly indicates the total weight (including the tare) as a portion of the balance capacity.

Target weighing

Select a target weight and tolerance. The display clearly indicates when they are reached.

Checkweighing

Set an upper and lower threshold. The display continually indicates whether the sample is within the range "GO", over range "HI" or under range "LO". Choose one of two checkweighing bargraph display modes.

WindowsDirect (See p.5)

Weighed data can be directly typed into any Windows application and no interface software is required.

Large-size calibration weight (BW-K only)

For accurate internal calibration. Calibration can be performed by simple lever operation.

Mod	el	Capacity Minimum display		Pan size(mm) approx.	Calibration weight	
BW12	KH	12kg	0.1g	345X250	Built-in	
BW22	KH	22kg	0.1g	345X250	Built-in	
BW32	KH	32kg	0.1g	345X250	Built-in	
BW32	KS	32kg	1g	345X250	Built-in	
BW52	KS.	52kg	1g	345X250	Built-in	

Model	odel Capacity Minimum display		Pan size(mm) approx.	Calibration weight	
BX12KH	12kg	0.1g	345X250	Extermal	
BX22KH	22kg	0.1g	345X250	Extermal	
BX32KH	32kg	0.1g	345X250	Extermal	
BX32KS	32kg	1g	345X250	Extermal	
BX52KS	52kg	1g	345X250	Extermal	

BW-K Series

10

Analytical Balances

Analytical Balances

AW/AX/AY Series



















Fully-automatic calibration; PSC (AW only) Calibration is carried out when temperature change has been detected.

Clock-CAL function (AW only)

Calibration carried out at user-preset times (up to three times a day). Operators can work without unexpected interruptions.

■ GLP/GMP/ISO calibration report

Meets requirements of GLP/GMP/ISO9000. Calibration reports can be output with date and time, provided by the built-in clock.

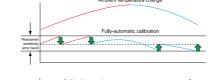
WindowsDirect (See p.5)

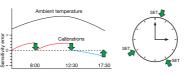
Weighed data can be directly typed into any Windows application and no interface software is required.

Unit conversion

Automatic unit conversion at the push of a button. Carat, and other units are standard.

35	
	AX Series NY 6
AW Series	AY Series





Model	Capacity	Minimum display	Pan size (mm)	Internal calibration	Internal calibration modes	Windows Direct
AW320	320g	0.1mg	80 dia	•	PSC, Clock-CAL, any time with key	•
AW220	220g	0.1mg	80 dia	•	PSC, Clock-CAL, any time with key	•
AW120	120g	0.1mg	80 dia	•	PSC, Clock-CAL, any time with key	•
AX200	200g	0.1mg	80 dia	•	any time with key touch	•
AX120	120g	0.1mg	80 dia	•	any time with key touch	•
AY220	220g	0.1mg	80 dia			•
AY120	120g	0.1mg	80 dia			•

Top-Loading Balances

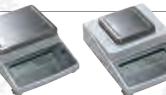
Top-Loading Balances











Large-pan model





with windbreak





Quick response

Very fast response for operator comfort and efficiency.

Piece counting function

Piece counting function is standard.

Analog bar graph display

Remaining weighing capacity can be seen at a glance.

Compact body

This electro-magnetic precision balance is as compact as a portable scale.

Minimum Pan size(mr display BL220H * 100X100 0.001g 100X100 164X124 2200g 164X124 164X124 3200g 100X100 320a 0.01a 164X124 0.01g 620g 164X124

Portable Electronic Balances

Portable Electronic Balances

EL/ELB Series ELB only PCS EMB





Optional built-in battery makes it readily portable with no compromise in accuracy.







High sensitivity and stability

Improved internal resolution provides extra accuracy.

Quick response

Stable results are quickly displayed.

Various application modes

Piece counting, percent display, and specific gravity modes are easily accessible.

Standard specific gravity software

Optional specific gravity kit is available for extra efficiency.

Digital stability control

User-selectable parameters for high-vibration environments provide dependable results.

Two-way power supply (AC or Battery operation)

Optional built-in rechargeable battery (EL Series) or dry battery operation (ELB Series) makes it portable

	PARLINGLING							
Series	AC operation	Dry battery operation	Rechargeable battery operation					
EL Series	AC adaptor is required	N/A	optional					
ELB Series	AC adaptor is required	standard	N/A					

Model	Pan type	Capacity	Minimum display	Calibration weight
EL120/ELB120	Small-pan	120g	0.01g	110dia
EL200/ELB200	Small-pan	200g	0.01g	110dia
EL300/ELB300	Small-pan	300g	0.01g	110dia
EL600/ELB600	Large-pan	600g	0.05g	170X130
EL600S/ELB600S	Large-pan	600g	0.1g	170X130
EL1200/ELB1200	Large-pan	1,200g	0.1g	170X130
EL2000/ELB2000	Large-pan	2,000g	0.1g	170X130
EL3000/ELB3000	Large-pan	3,000g	0.1g	170X130
EL6000S/ELB6000S	Large-pan	6,000g	1g	170X130
EL12K/ELB12K	Large-pan	12,000g	1g	170X130



Application Balances

Electronic Moisture Balance

MOC-120H





Large sample pan and capacity allow any sample to be laid out for the best drying

Reliable UniBloc weighing mechanism and unique auto-taring system enable accurate measurements.

Large sample pan and auto-taring mechanism

A larger sample pan contributes to accurate measurements, but the larger heat capacity of it normally results in a larger zero drift in the precision weighing.

The MOC-120H is equipped with a unique auto-taring mechanism, which eliminates the zero drift continuously and ensures high accuracy, even with a larger sample pan.

UniBloc technology for precision weighing

Shimadzu's UniBloc cell is used as the core mechanism of the

Its uniform structure maintains the high performance of precision weighing under repeated heating / cooling.

Mid-wave infrared quartz heater

Mid-wave infrared quartz heater provides effective drying for a wide range of samples. Besides the excellent drying performance, it offers a long operational life of 20,000 to 30,000 hours. Therefore, the long-term operational cost is much lower than halogen lamp heaters.

Predictive measuring mode

The final result is predicted from the drying process, saving time in repeated measurements.

WindowsDirect

Complete sample data and instrument settings can be directly typed into any application on Windows® and no interface software is required.

Dimensions

	MOC-120H with 130mm sample pan
Measuring method	Heat drying and weight loss
Sample pan size	130 mm dia
Sample pan material	Stainless steel
Minimum display in weighing	0.001g
Measurement range of moisture content	0.01% to 100.00 %
Moisture content minimum display	0.01%
Sample capacity	120g
Measurement modes	Automatic or Timed ending modes,
	Standard, Rapid, Slow and Step drying
	modes, Predictive Measuring mode
Drying heater	Mid-wave infrared quartz heater
Temperature range	30 to 200°C (by 1°C increments)
Digital output	Complete test data including instrument settings can be output. Optional electronic printer prints the data in tabular or graphical style. Excel® Spread Sheets can receive the data without communication software (WindowsDirect).
Dimensions	220W X 415D X 190H (mm)
Weight	4.5kg
Operational temperature and humidity range	5 to 40°C, 85% RH or lower
Power requirements	AC100 to 127 / 220 to 240V, 640W

maximum

SMK Specific Gravity Measurement Kits

Simple specific gravity meters based on precision balances.

Combine your Shimadzu balance with a specific gravity measurement kit for handy specific gravity measurements. Software for specific gravity measurement is pre-installed in all AUW-D / AUW / AUX / AUY, AW / AX / AY, UW / UX, and EL / ELB Series.

Order one of the balances and the corresponding specific gravity measurement kit.

Liquid density can also be measured with a sinker (except for EL/ELB Series)





Model	Balance Series	Reduced Capacity	Sample Phase					
	Dalaince Series	(approx.)	Solid	Liquid				
SMK-401	AUW-D/AUW/AUX/AUY	0g	•	•				
SMK-301	AW/AX/AY	0g	•	•				
SMK-101	UW/UX (Capacity 2200g or more)	100g	•	•				
SMK-102	UW/UX (Capacity 420g-820g)	270g	•	•				
SMK-201	EL/ELB (Capacity 600g-6000g)	200g	•					

A sinker is additionally needed for liquid density measurement.

Animal Balances

indicated on p.9 or p.11 are available.

* When animal weighing mode is not used, all the functions

Electronic Balances for Weighing Animals



BW-K plus Medium-size Animal Bucket



BW-K plus Large Animal Bucket

edicate	d software	brings	quick	and	reliable
esults o	f live anima	al weigl	ning		

Upon removing the weighed animal, the weight of remaining feces and output are automatically tared off, and the balance presents zero for the next animal.

Display response and stability can be optimized according to the level of animal movement and the environmental conditions.

Model	Balance Series	Reduced Capacity (approx.)	
Small Animal Bucket set	UW/UX (Capacity 2200g or more)	Bottom 110dia, Top 200dia, Height 130	
Medium-size	BW-K	Bottom 305 X215, Top 377 X 245,	
Animal Bucket set *1	BX-K	Height 215	
Large Animal Bucket set	BW-K (Capacity 22kg or more)	Bottom 335 X 245, Top 445 X 395,	
*2	BX-K (Capacity 22kg or more)	Height 345	

- *1 Capacity is reduced about 2kg
- *2 Capacity is reduced about 6kg
- *1.2 Production on demand

Optional Accessories

Temperature calibration kit

The temperature at the sample position can be directly measured.





Electronic printer

Stored procedures

Standard accessories

Optional accessories

Consumables

Measurements can be printed out in tabular or graphical style.



Sample pan 2pcs, Sample pan handler 2pcs, Aluminum sheet 20pcs, Spoon, Spatula

Aluminum sheet 500pcs, Printer paper for

Temperature calibration kit, Electronic printer, RS-232C Cable

optional electronic printer

Optional Accessories

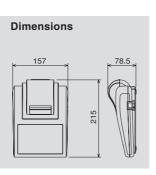
Electronic Printer

EP-80

EP-90







Common features for EP-80 and EP-90

- Simple connection to balances using the cable provided.
- Uses normal paper, suitable for long-term storage compatible with GLP/GMP/ISO (dot impact method).
- Operation can be powered by AC adapter or dry batteries
- Hassle-free long-use printer paper rolls (8000 lines of printing withone roll).
- High-speed printing at approx. 3 lines/sec (printer mechanism performance).
- Installed with statistical calculation function as standard.
- Can be used simultaneously with Shimadzu's unique WindowsDirect function (output to computer).

EP-90 Capable of Attaching Sample/ID Numbers, **Date and Time to Each Measurement Result**

- Equipped with keyboard, capable of defining ID number (fixed input number), and sample number(number input and then increased automatically with each printing).
- Printing of date and time (when connected to an electronic balance with a built-in clock) can be controlled from the printer.
- Multiplication and comparator functionality built-in.



EP-90 print-out sample

Optional accessories list

Balances	Optional accessories	
AUW-D/	Electronic Printer EP-80 / EP-90	
AUW / AUX / AUY Series	Foot Switch FSB-102TK (For taring)	
Series	Foot Switch FSB-102PK (For printing)	
	Specific Gravity Measurement Kit SMK-401	
	Application Keyboard AKB-301	
	RS-232C Cable, for IBM PC/AT Compatibles, (25P-9P, Null modem, 1.5m)	
AW / AX/ AY	Electronic Printer EP-80 / EP-90	
Series	Foot Switch FSB-102TK (For taring)	
	Foot Switch FSB-102PK (For printing)	
	Specific Gravity Measurement Kit SMK-301	
	RS-232C Cable, for IBM PC/AT Compatibles, (25P-9P, Null modem, 1.5m)	

Balances	Optional accessories	
BL Series	Electronic Printer EP-80 / EP-90	
	In-use Protective Cover (5 pcs)	
	Simple Windbreak	
	Lid for Simple Windbreak	
EL / ELB	Electronic Printer EP-80 / EP-90	
Series	RS-232C Interface IFB-102A	
	Rechargable Built-in Battery (Not for ELB Series)	
	In-use Protective Cover (5 pcs)	
	Specific Gravity Measurement Kit SMK-201 (Cannot be used with small-pan models)	

	2/14/13/14		
alances	Optional accessories		
W / UX Series	Electronic Printer EP-80 / EP-90 ●		
BW-K / BX-K Series items with ● only)	RS-232C Interface IFB-102A (for multiple connection) ●		
	Small Size Windbreak (for models with capacity of 300g to 620g only) (Std.Acc. for models with readability of 1mg)		
	Glass Windbreak (for models with capacity of 220g to 820g only)		
	Large Size Windbreak (for all models)		
	Specific Gravity Measurement Kit SMK-101 (for models with capacity of 2200g and up only)		
	Specific Gravity Measurement Kit SMK-102 (for models with capacity of 420g to 820g only)		
	In-use Protective Cover (5 pcs)		
	Comparator Lamps 100V (needs IFB-RY1 and RY1 Connection Cable)≯		
	Interface for comparator IFB-RY1 100V		
	Foot Switch FSB-102PK (For printing) ●		
	Foot Switch FSB-102TK (For taring)		
	RS-232C Cable, for IBM PC/AT Compatibles, (25P-9P, Null modem, 1.5m)		
	RS-232C Cable, for multiple connection (25P-25P, Null modem, 1.5m)		
	Application Keyboard AKB-301 ●		
	Remote Display Unit RDB-201 with operation keys		
	Remote Display Unit RDB-202		
	Angle Adjuster and Wall Hook for Remote Display		
	Stand for Remote Display (1m high)		

* Not available in EU.

Static Remover





Secure static removal

The excellent ion polarity balance achieved by the AC method ensures :

- No inverse charging
- Wide angle static removal
- High performance maintained over a long period of use

Space saving design

Compact main unit requires minimal space. Holder height and angle are adjustable.



Quickly discharge container or bulk samples

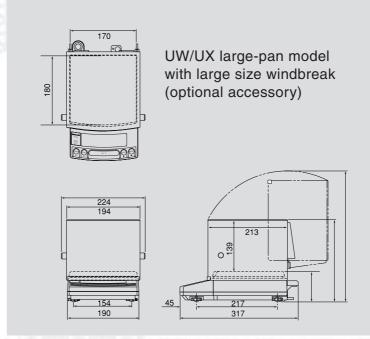


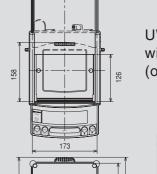
For powdered samples, fan can be turned OFF.



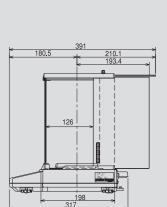
As a handheld unit

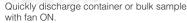
Optional accessories Dimensions





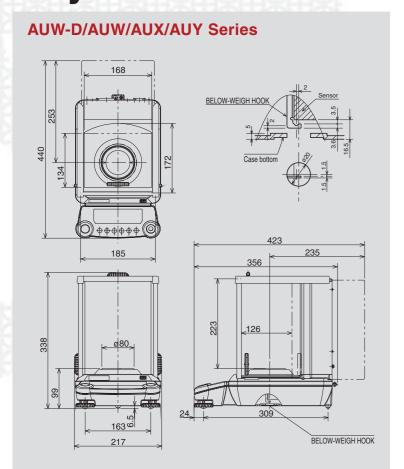
UW/UX small-pan model with glass windbreak (optional accessory)

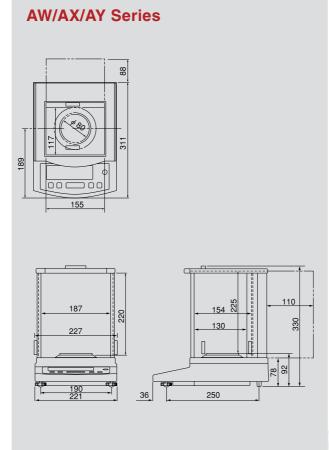




Physical Dimensions

Measurements in mm. 1mm=.03937"





WW/UX Series BELOW-WEIGHHOOK Small-pan model *1 ELOW-WEIGHHOOK BELOW-WEIGHHOOK BELOW-WEIGHHOOK BELOW-WEIGHHOOK

- *1 Figure shows combination with simple windbreak (standard only for models with minimum disply of 0.001g)
- *1 The actually delivered windbreak may slightly differ in size and shape.

