SHIMADZU
Excellence in Science

C054-E037E

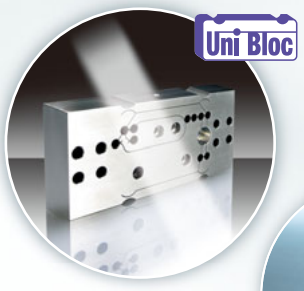
Jewelry & Gold Balances

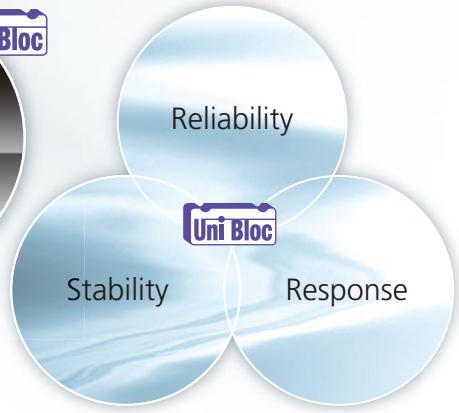
Value with No Compromise

Make Every Carat Count...
Use Shimadzu Jewelry & Gold Balances

UniBloc

Shimadzu introduced one-piece force cell technology for precision balances in 1989. Today's UniBloc is created by high-precision wire electrical discharge machining 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 and stable performance. The UniBloc design permits a consistency of production that assures reliability and a long operational life.





SHIMADZU Balances, for All Your Weighing Applications

Weighing Gold in a Local Unit

Various weighing units including Tael (Hong Kong, Taiwan, Singapore, Malaysia, China) and user-defined units are available. (All series)

Counting Coins or Parts

Piece counting function is standard. (All series)

Pass/Fail Checkweighing

According to the user-preset thresholds, GO (pass), HI (over) or LO (under) will be displayed. (UW/UX series)

Production/Sales Management Using a Computer

WindowsDirect function directly types the weighed results to any Windows application you are using (*e.g.* Excel); no interface software is required. (TW/TX series, UW/UX series)

Using the Balance in a Retail Shop

Second display for visitors is available as an option. Second display equipped with operation keys is also available. (UW/UX series)

Battery Operation (TXB/ELB)

TXB and ELB are operated with dry batteries. Suitable for sites where a reliable power supply is not available.

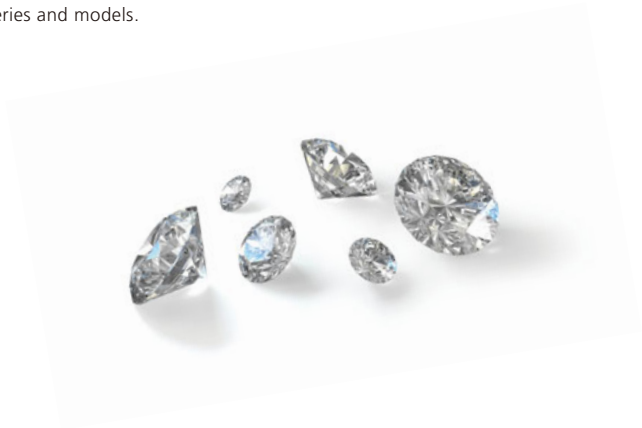
Purity Determination of Gold

An options kit and standard software allows efficient density measurement. To configure your own system, below-weigh hook is standard for UW/UX series and is optionally available for ELB series.

Automatic Calibration

The models with a built-in calibration weight can maintain accuracy without using external calibration weights. Calibration is performed with key touch only (TW/TWC/UW). PSC and Clock-CAL fully-automatic calibration functions are standard depending on the series. PSC performs calibration automatically when a change in the ambient temperature makes it necessary. With Clock-CAL, automatic calibration can be set to occur at up to three specific times per day. (UW series)

The availability of the functions, features and options described here depends on the series and models.



TW/TX series

Carat and Gold balances

TWC / TXC

TW / TX

TXB

UW/UX series

Ideal for gold

BL series

Compact and economical

ELB series

Portable with dry battery operation

WindowsDirect

Enables direct communication between the balance and a PC using Windows applications. No additional software is needed to interface with spreadsheets, databases, word processing, and laboratory software.

WindowsDirect works with Windows 95, 98, 2000, NT4.0, ME and XP.
PC must be IBM PC/AT compatible.
If you'd like to use "WindowsDirect" with "Windows 7", "Windows VISTA", or a USB port, please contact to our distributors.

Optional Accessories to Meet All Your Requirements

Specific Gravity Measurement

Remote Display

Printer

Battery Operation

Quick Reference Features & Functions

Series		UW	UX	BL	ELB	TW / TWC	TX / TXC	TXB
Standard Functions	Various unit conversions	✓	✓	✓	✓	✓	✓	✓
	Percentage display	✓	✓	✓	✓	✓	✓	✓
	Piece counting	✓	✓	✓	✓	✓	✓	✓
	Checkweighing	✓	✓			✓	✓	✓
	Built-in clock	✓	✓					
	WindowsDirect	✓	✓			✓	✓	✓
	RS-232C Interface	✓	✓			✓	✓	✓
Auto Calibration	Temperature CAL (fully automatic)	✓						
	Clock-CAL	✓						
	Touch-key calibration	✓				✓		
Display	Large-character LCD	✓	✓	✓		✓	✓	✓
	Back Light	✓	✓	✓ *1		✓	✓	✓
Battery Operation	Dry Battery Operation				✓			✓
Application	Application Keyboard	✓	✓					
	Remote Display	✓	✓					
	ISO-compliant Calibration Report	✓	✓			✓	✓	✓
	Specific Gravity Measurement Software	✓	✓		✓			
	Specific Gravity Measurement Kit	△	△		△			
	Below-balance Hook	✓	✓		△			
	Auto off					✓	✓	✓

*1 : BL3200HL Only ✓: Standard △: Option

Specifications

Series	Carat Balance TXC / TWC	
Model	TXC323L / TWC323L	TXC623L / TWC623L
Capacity	320 ct	620 ct
Min. Display	0.001 ct	
Pan Size (mm)	80 dia	
Repeatability	0.001 ct	
Linearity	± 0.002 ct	
Ambient Temperature	5 – 40 °C	
Dimensions	206 (W) × 291 (D) × 241 (H)	

* TW / TWC series is equipped with built-in calibration weight.

Series	Gold Balance TX / TW					
Model	TX4202L	TX3202L	TX2202L	TX423L / TW423L	TX323L / TW323L	TX223L / TW223L
Capacity	4200 g	3200 g	2200 g	420 g	320 g	220 g
Min. Display	0.01 g	0.01 g	0.01 g	0.001 g	0.001 g	0.001 g
Pan Size (mm)	167 (W) × 181 (D)			110 dia		
Repeatability	≤ 0.01 g			≤ 0.001 g		
Linearity	± 0.02 g			± 0.002 g		
Ambient Temperature	5 – 40 °C					
Dimensions	200 (W) × 291 (D) × 80 (H)			206 (W) × 291 (D) × 241 (H)		

Series	Gold Balance TXB							
Model	TXB6201L	TXB4201L	TXB2201L	TXB6200L	TXB622L	TXB422L	TXB222L	TXB621L
Capacity	6200 g	4200 g	2200 g	6200 g	620 g	420 g	220 g	620 g
Min. Display	0.1 g	0.1 g	0.1 g	1 g	0.01 g	0.01 g	0.01 g	0.1 g
Pan Size (mm)	160 dia				110 dia			
Repeatability	≤ 0.1 g			1 g	≤ 0.01 g			≤ 0.1 g
Linearity	± 0.2 g		± 0.1 g	± 1 g	± 0.02 g		± 0.01 g	± 0.1 g
Ambient Temperature	5 – 40 °C							
Dimensions	199 (W) × 260 (D) × 77 (H)							

Series	UW / UX													
Model	UW420S	UW820S	UW4200S	UW8200S	UW220H		UW420H	UW620H	UW820H	UW1020H	UW2200H		UW4200H	UW6200H
	UX420S	UX820S	UX4200S	UX8200S	UX220H	UX320G	UX420H	UX620H	UX820H	UX1020H	UX2200H	UX3200G	UX4200H	UX6200H
Capacity	420 g	820 g	4200 g	8200 g	220 g	320 g	420 g	620 g	820 g	1020 g	2200 g	3200 g	4200 g	6200 g
Min. Display	0.01 g	0.01 g	0.1 g	0.1 g	0.001 g	0.001 g	0.001 g	0.001 g	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g	0.01 g
Pan Size (mm)	108 × 105	108 × 105	170 × 180	170 × 180	108 × 105	108 × 105	108 × 105	108 × 105	108 × 105	108 × 105	170 × 180	108 × 105	170 × 180	170 × 180
Repeatability	≤ 0.008 g		≤ 0.08 g		≤ 0.001 g				≤ 0.001 g		≤ 0.01 g			
Linearity	± 0.01 g		± 0.1 g		± 0.002 g				± 3 g		± 0.02 g			
Ambient Temperature	5 – 40 °C													
Dimensions	190 (W) × 317 (D) × 78 (H)													

* UW series is equipped with motor-driven built-in calibration weight providing fully-automatic calibration functions.

Series	BL							
Model	BL320S	BL620S	BL3200S	BL220H	BL320H	BL2200H	BL3200H	BL3200HL
Capacity	320 g	620 g	3200 g	220 g	320 g	2200 g	3200 g	3200 g
Min. Display	0.01 g	0.01 g	0.1 g	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g
Pan Size (mm)	100 × 100	160 × 124	160 × 124	100 × 100	100 × 100	160 × 124	160 × 124	160 × 124
Repeatability	≤ 0.006 g	≤ 0.01 g	≤ 0.06 g	≤ 0.001 g		≤ 0.01 g		
Linearity	± 0.01 g	± 0.02 g	± 0.1 g	± 0.002 g	± 0.003 g	± 0.02 g	± 0.03 g	
Ambient Temperature	5 – 40 °C							
Dimensions	170 (W) × 240 (D) × 75 (H)							

Series	ELB									
Model	ELB120	ELB200	ELB300	ELB600	ELB600S	ELB1200	ELB2000	ELB3000	ELB6000S	ELB12K
Capacity	120 g	200 g	300 g	600 g	600 g	1200 g	2000 g	3000 g	6000 g	12 kg
Min. Display	0.01 g	0.01 g	0.01 g	0.05 g	0.1 g	0.1 g	0.1 g	0.1 g	1 g	1 g
Pan Size (mm)	110 dia	110 dia	110 dia	170 × 130	170 × 130	170 × 130	170 × 130	170 × 130	170 × 130	170 × 130
Repeatability	≤ 0.01 g			≤ 0.05 g	≤ 0.1 g				≤ 1 g	
Linearity	± 0.01 g		± 0.02 g	± 0.05 g	± 0.1 g			± 0.2 g	± 1 g	
Ambient Temperature	5 – 40 °C									
Dimensions	185 (W) × 215 (D) × 55 (H)									

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