

Jewelry & Gold Balances



Value With No Compromise

Make every carat count... Use Shimadzu

UniBloc

Shimadzu introduced one piece force cell technology for precision balances in 1989. The 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.



TX series
Carat and Gold balance

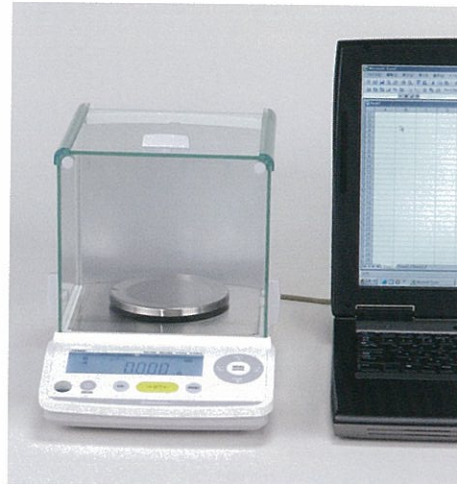
dzu jewelry & gold balances



WindowsDirect

The balance communicates directly to a PC with 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.



WindowsDirect Function

If you'd like to use "WindowsDirect" with "Windows VISTA", or USB port, please contact to our distributors.



UX-G series
Gold balance



BL series
Compact and economical



ELB series
Portable with dry battery operation

Optional accessories to meet all your requirements



Specific Gravity Measurement



Remote Display



Printer



Battery Operation

Quick Reference Features & Functions

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

*1 : BL3200HL Only ✓ : Standard △ : Option



MADZU balances, for all your weighing applications

Weighing gold in a local unit

Various weighing units including Tael (Hong Kong, Taiwan, Singapore, Malaysia, China) plus user-defined unit 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. (UX-G/UW/UX series)

Production/sales management using computer

WindowsDirect function directly types the weighed results to any Windows application you are using (e.g. Excel) without interface software required. (TXseries, UX-G/UW/UX)

Using the balance in a retail shop

Second display for visitors is optionally available. Second display equipped with operation keys is also available. (UX-G/UW/UX)

Battery operation (TXB ELB)

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

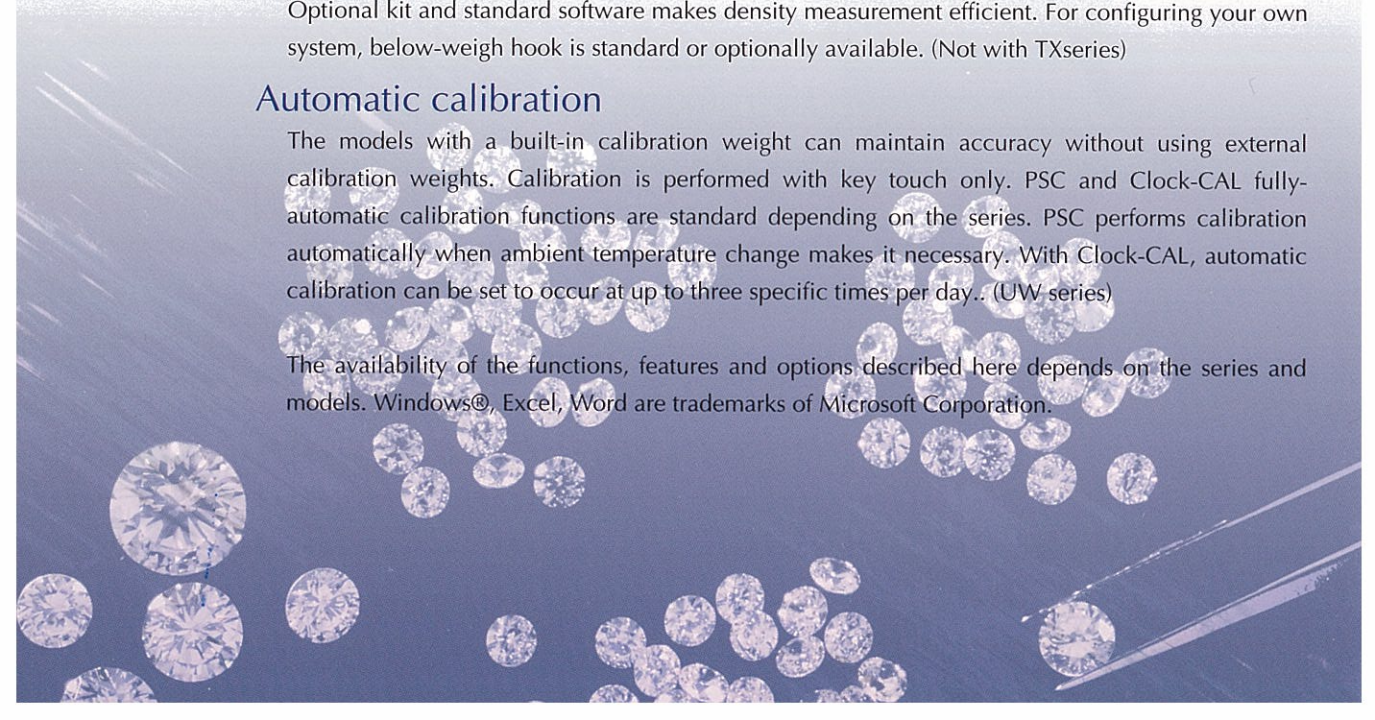
Purity determination of gold

Optional kit and standard software makes density measurement efficient. For configuring your own system, below-weigh hook is standard or optionally available. (Not with TXseries)

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. PSC and Clock-CAL fully-automatic calibration functions are standard depending on the series. PSC performs calibration automatically when ambient temperature change 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. Windows®, Excel, Word are trademarks of Microsoft Corporation.



Specifications

Series	Carat Balance TXC	
Model	TXC323L	TXC623L
Capacity	320ct	620ct
Min. Display	0.001ct	
Pan Size (mm)	80 dia	
Repeatability	0.001ct	
Linearity	±0.002ct	
Ambient Temperature	5~40°C	
Dimensions	206(W)x291(D)x241(H)	

Series	Gold balance TX/TXB											
Model	TX3202L	TX2202L	TX323L	TX223L	TXB6201L	TXB4201L	TXB2201L	TXB6200L	TXB622L	TXB422L	TXB222L	TXB621L
Capacity	3200g	2200g	320g	220g	6200g	4200g	2200g	6200g	620g	420g	220g	620g
Min. Display	0.01g	0.01g	0.001g	0.001g	0.1g	0.1g	0.1g	1g	0.01g	0.01g	0.01g	0.1g
Pan Size (mm)	167(W) x 181(D)		110dia		160dia				110dia			
Repeatability	≤0.01g		≤0.001g		≤0.1g			1g	≤0.01g			≤0.1g
Linearity	±0.02g		±0.002g		±0.2g		±0.1g	±1g	±0.02g		±0.01g	±0.1g
Ambient Temperature	5~40°C											
Dimensions	200(W)x291(D)x80(H)			206(W)x291(D)x241(H)			199(W)x260(D)x77(H)					

Series	UW / UX											
Model	UW420S	UW820S	UX4200S	UX8200S	UX220H		UW420H	UW620H	UW2200H		UW4200H	UW6200H
	UX420S	UX820S	UX4200S	UX8200S	UX220H	UX320G	UX420H	UX620H	UX2200H	UX3200G	UX4200H	UX6200H
Capacity	420g	820g	4200g	8200g	220g	320g	420g	620g	2200g	3200g	4200g	6200g
Min. Display	0.01g	0.01g	0.1g	0.1g	0.001g	0.001g	0.001g	0.001g	0.01g	0.01g	0.01g	0.01g
Pan Size (mm)	108 x 105	108 x 105	170 x 180	170 x 180	108 x 105	108 x 105	108 x 105	108 x 105	170 x 180	108x105	170x180	UW4200H
Repeatability	≤0.008g		≤0.08g		≤0.001g				≤0.01g			
Linearity	±0.01g		±0.1g		±0.002g				±0.02g			
Ambient Temperature	5~40°C											
Dimensions	190(W)x317(D)x78(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	320g	620g	3200g	220g	320g	2200g	3200g	3200g
Min. Display	0.01g	0.01g	0.1g	0.001g	0.001g	0.01g	0.01g	0.01g
Pan Size (mm)	100 x 100	160 x 124	160 x 124	100 x 100	100 x 100	160 x 124	160 x 124	160 x 124
Repeatability	≤0.006g	≤0.01g	≤0.06g	≤0.001g			≤0.01g	
Linearity	±0.01g	±0.02g	±0.1g	±0.002g	±0.003g	±0.02g	±0.03g	
Ambient Temperature	5~40°C							
Dimensions	170(W)x240(D)x75(H)							

Series	ELB									
Model	ELB120	ELB200	ELB300	ELB600	ELB600S	ELB1200	ELB2000	ELB3000	ELB6000S	ELB12K
Capacity	120g	200g	300g	600g	600g	1200g	2000g	3000g	6000g	12kg
Min. Display	0.01g	0.01g	0.01g	0.05g	0.1g	0.1g	0.1g	0.1g	1g	1g
Pan Size (mm)	110 dia	110 dia	110 dia	170x130	170x130	170x130	170x130	170x130	170x130	170x130
Repeatability	≤0.01g			≤0.05g	≤0.1g					≤1g
Linearity	±0.01g		±0.02g	±0.05g	±0.1g			±0.2g	±1g	
Ambient Temperature	5~40°C									
Dimensions	185(W)x215(D)x55(H)									



The contents of this catalog are subject to change without notice.



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