SHIMADZU 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**
  - Windows®/Excel/Word are trademarks of Microsoft Corporation. The availability of the functions, features and options described here depends on the series and models.

- **Automatic Calibration**
  - With Clock-CAL, automatic calibration can be set to occur at up to three specific times per day. (UW series)
  - PSC performs calibration automatically when ambient temperature change makes it necessary. (TW/TWC/UW series)

- **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 to standard software makes density measurement efficient. For configuring your own system, between-weigh hook is standard or optionally available. (UX/G-UW/UX 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 (TXB/TW/UX). 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. (SW 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.
Shimadzu introduced one piece force cell technology for precision balances in 1989. The UniBloc technology is created by high-precision wire electrical discharge machining applied to a block of aluminum alloy, and replaces the conventional electromagnetic 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.

UniBloc

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”, Windows 7 or USB port, please contact to our distributors.

Make Every Carat Count... Use Shimadzu Jewelry & Gold Balances
Reliability
Stability Response

Jewelry & Gold Balances

Value With No Compromise
Optional Accessories to Meet All Your Requirements

Specif c Gravity Measurement
Remote Display

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 electromagnetic 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.

UniBloc

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

If you’d like to use “WindowsDirect” with “Windows Vista”, “Windows 7” or USB port, please contact our distributors.

TXC / TWC
TX / TW
TXB
TX / TW series
Carat and Gold balance
UX-G series
Gold balance
BL series
Compact and economical
ELB series
Portable with dry battery operation

Quick Reference Features & Functions

Various unit conversions
Percentage display
Piece counting
Checkweighing
Built-in clock
WindowsDirect
RS-232C Interface
Temperature CAL (full automatic)
Clock-CAL
Touch-key calibration
Large-character LCD
Back Light
Dry Battery Operation
Application Keyboard
Remote Display
ISO-compliant Calibration Report
Specif c Gravity Measurement Software
Specif c Gravity Measurement Kit
Below-balance Hook
Auto off

*1 : BL3200HL Only

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

Shimadzu introduced one-pieced 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 electromagnetic balance sensor assembly (uniwire) 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.

**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.

**Quick Reference Features & Functions**

<table>
<thead>
<tr>
<th>TXC / TWC</th>
<th>TX / TW</th>
<th>TXB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Various unit conversions</td>
<td>Percentage display</td>
<td>Piece counting</td>
</tr>
<tr>
<td>Checkweighing</td>
<td>Built-in clock</td>
<td>WindowsDirect</td>
</tr>
<tr>
<td>RS-232C Interface</td>
<td>Temperature CAL (full automatic)</td>
<td>Clock-CAL</td>
</tr>
<tr>
<td>Touch-key calibration</td>
<td>Large-character LCD</td>
<td>Remote Display</td>
</tr>
<tr>
<td>Back Light</td>
<td>Dry Battery Operation</td>
<td>ISO-compliant Calibration Report</td>
</tr>
<tr>
<td>Application Keyboard</td>
<td>Optional Accessories to Meet All Your Requirements</td>
<td>Specific Gravity Measurement</td>
</tr>
<tr>
<td>Remote Display</td>
<td>TXC / TWC</td>
<td>TX / TW</td>
</tr>
<tr>
<td>TXB</td>
<td>TXC / TWC</td>
<td>TX / TW</td>
</tr>
<tr>
<td>TXB</td>
<td>TXC / TWC</td>
<td>TX / TW</td>
</tr>
<tr>
<td>TXB</td>
<td>TXC / TWC</td>
<td>TX / TW</td>
</tr>
</tbody>
</table>

*1: BL3200HL Only      : Standard       : Option
SHIMADZU 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. (T series, UX-G/UW/UX)

Using the Balance in a Retail Shop
Piece counting function is standard. (All series)

Purity Determination of Gold
Optional kit and standard software makes density measurement efficient. For configuring your own system, (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. (UX-G/UW/UX)

Automatic Calibration
* UW series is equipped with motor-driven built-in calibration weight providing fully-automatic calibration functions.
* TW / TWC series is equipped with built-in calibration weight.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Series</th>
<th>Dimensions</th>
<th>Ambient Temperature</th>
<th>Linearity</th>
<th>Pan Size (mm)</th>
<th>Min. Display</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>UX1020H</td>
<td>UW</td>
<td>108×105</td>
<td>20°C to 30°C</td>
<td>≤0.001g</td>
<td>50dia</td>
<td>0.001g</td>
<td>500g</td>
</tr>
<tr>
<td>UX2200H</td>
<td>UW</td>
<td>108×105</td>
<td>20°C to 30°C</td>
<td>±0.002g</td>
<td>80dia</td>
<td>0.001g</td>
<td>1500g</td>
</tr>
<tr>
<td>UX320G</td>
<td>UX</td>
<td>160×124</td>
<td>20°C to 30°C</td>
<td>≤0.001g</td>
<td>80dia</td>
<td>0.001g</td>
<td>1500g</td>
</tr>
</tbody>
</table>

For more information, please visit our website or contact our sales representative.
SHIMADZU Balances, for All Your Weighing Applications

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

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

- **Purity Determination of Gold**
  Optional built-in software makes density measurement efficient. For configuring your own system, belowweigh hook is standard or optionally available. (UX, UK, ELB series)

- **Automatic Calibration**
  The models with 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 ambient temperature change makes it necessary. With Clock-CAL, automatic calibration can be set to occur at up to three specific times per day. (UX 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Series</th>
<th>Dimensions (WxDxH)</th>
<th>Ambient Temperature</th>
<th>Linearity</th>
<th>Repeatability</th>
<th>Min. Display</th>
<th>Capacity</th>
<th>Pan Size (mm)</th>
<th>Min. Display</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>UX220H</td>
<td>UX/UX</td>
<td>170×130</td>
<td>≤40°C</td>
<td>±0.002g</td>
<td>±0.001g</td>
<td>0.001g</td>
<td>220g</td>
<td>100×100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UX420H</td>
<td>UX/UX</td>
<td>190(W)×317(D)×78(H)</td>
<td>≤40°C</td>
<td>±0.003g</td>
<td>±0.001g</td>
<td>0.001g</td>
<td>420g</td>
<td>170×130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UX620H</td>
<td>UX/UX</td>
<td>199(W)×260(D)×77(H)</td>
<td>≤40°C</td>
<td>±0.007g</td>
<td>±0.003g</td>
<td>0.001g</td>
<td>620g</td>
<td>200×200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UX820H</td>
<td>UX/UX</td>
<td>206(W)×291(D)×241(H)</td>
<td>≤40°C</td>
<td>±0.007g</td>
<td>±0.003g</td>
<td>0.001g</td>
<td>820g</td>
<td>220×220</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Jewelry & Gold Balances

Jewelry & Gold Balances

Shimadzu Corporation

www.shimadzu.com/wc

Printed in Japan 3655-11215-30ANS

© Shimadzu Corporation 2020