Electronic Balances

UW/UX Series
UW/UX Series

Fast Response
Weighing takes just 0.7–1.2 seconds (S type)

Excellent Durability
Long-life design employing a unique weighing mechanism

Easy Connection
WindowsDirect function allows easy data communication to a computer

Great for the Following Applications
High-precision balances with comprehensive functions handle diverse applications and increase productivity.

I want to upload measured data to a PC but installing the software is difficult........

No software needed!
The WindowsDirect function transmits data to a PC with just a single cable. Achieve remarkable improvements in work efficiency with no additional investment, except for a cable. The standard auto print functions can be combined with the WindowsDirect function.

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

I always need to weigh accurately but calibrating my balance is tedious........

Easy calibration for every application
Calibrations are automatically performed upon detection of a temperature change (UW). The balance automatically calibrates itself at the set times with its built-in calibration weights (UW). Calibrations can also be made at any time with a simple key operation (UW). Span calibration of the UX Series is easily performed by placing calibration weights on the balance according to the displayed instructions.

I need to manage weighing according to international standards........
Use Shimadzu network-compatible software to ensure full compatibility with FDA 21 CFR Part 11.


I work in a drafty, dark environment........
Adjust the balance to match the environment
The display stability can be adjusted to the environment. Windbreak is provided as standard for models with a 1mg display, and is an option for other models. The auto zero function is useful in an environment where the TARE key must be pressed for every measurement. The back lighted display provides a clear display in dark environments.

WindowsDirect Function
Only a single cable is required to transfer balance data to MS Excel, or other Windows applications. No interface attachment or software installation is necessary. This unique function makes interfacing Shimadzu balances extremely convenient.

Automatic Touch-key Calibration (UW only)
Press just two keys to calibrate the balance whenever calibration is necessary.

PSC Fully-automatic Calibration (UW only)
Introduced in 1985, this user-friendly feature triggers calibration when a temperature change is detected, automatically maintaining the balance’s sensitivity.

Clock-CAL Fully-automatic Calibration (UW only)
Automatic calibration at pre-set times. Up to three times a day can be programmed.

GLP/GMP/ISO Calibration Record
Connect the optional printer to automatically output calibration results. Date and time are supplied by the balance’s built-in clock.

Backlight LCD
The backlight LCD display can be clearly read in the darkest of environments.
UniBloc Technology

UniBloc one-piece force cell technology replaces the core mechanism of a high-precision balance with a single aluminum alloy block. This provides a number of advantages, introducing fast response, high stability, and a long operational life.

What About Special Requirements?

I Have to Weigh a Lot of Valuable Samples Very Accurately
The improved UW/UX Series resolution achieves a minimum display accuracy of 1 mg for 1,020 g.

I Need to Weigh Large Objects
The large pan easily accommodates samples extending beyond the pan. A built-in weigh-below hook allows weighing even unusually oversized items.

Can I Weigh Living Animals?
The standard animal-weighing mode allows accurate weighing of moving animals. It also gets the balance ready for the next animal without having to clean the pan each time. An optional animal bucket is available.

I Have to Handle Chemicals
The stainless-steel pan can be easily removed for washing. The metal housing is resistant to organic solvents. A clear, molded in-use cover is standard.

I Need to Weigh a Lot of Objects

Offers Fast, Stable and Accurate Results
The ultra-fast response reduces operator stress and shortens work time. UniBloc technology significantly enhances stability and durability, ensuring reliable weighing results over repeated operations. If a weighing record is required, the standard auto print function can automatically output data each time a weighed sample is placed on the balance. In addition, all settings and functions can be controlled from a computer for compatibility with automated production-line operation.
UW/UX Series

Specifications

UW (with built-in calibration weights)

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Options Peripherals

- RS-232C Interface IFB-102A (needed only for multiple connection)
- Small Size Windbreak (for models with capacity of 300g to 620g only) (Std. Acc. for models with readability of 0.001g)
- Glass Windbreak (for models with capacity of 220g to 820g only)
- Large Size Windbreak (for all models)
- Specific Gravity Measurement Kit SMK-101 (for Large size pan 170 x 180 mm)
- Specific Gravity Measurement Kit SMK-102 (for Small size pan 108 x 105 mm)
- Protective in-use cover for key panel and display (5 pcs)
- Small Animal Bucket set (for large pan models only)
- Angle Adjuster and Wall Hook for Remote Display
- Stand for Remote Display (1m high)
- Comparator Lamps 100V (needs IFB-RY1)
- Interface for comparator IFB-RY1 100V
- Foot Switch FSB-102PK (for printing)
- Foot Switch FSB-102PK (for taring)
- RS-232C Cable, for IBM PC/AT Compatibles (25P-9P, Null modem, 1.5 m)
- RS-232C Cable, for multiple connections (25P-25P, Null modem, 1.5 m)
- Application Keyboard AKB-301
- Remote Display Unit RDB-201 with operation keys
- Remote Display Unit RDB-202

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