User Manual XS BW 3000

IP 67

6 = No ingress of dust; complete protection against contact (dust tight)

7= Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).

Units

Alarm

rechargeable battery

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Installation

- Place the balance and, using the adjustable feet and the bubble on the front, adjust the inclination. **The scale must be leveled;**
- Do not install near windows or air conditioners;
- Protect the balance from vibrations;
- Working temperature: 10°C – 40°C;
- Installation and removal of the scale must be done with the machine switched off;
- After switch On, wait at least 15 minutes warming up before the first weighing;
- For assistance, contact your dealer or an authorized service center.

Keyboard and definition of keys

⏻	• Press the key for 3 seconds to turn on or turn off the balance
ZERO ⇄	• Press and weight display to zero when load is in the scope of zero • Press the key in weighing mode for 3 seconds to convert unit
TARE	• Press the key and weight displays to zero when load is in the scope of tare weight • Press this key for 3 seconds to turn on/off the animal weighing mode.
🔔	• In weight mode, press the key to turn on/off the function of alarm • Press the key for 3 seconds to enter in settings menu

Start

Place the scale, and ,using the bubble on the frontside, level It.

Press ⏻ to turn on the scale. Following a countdown, marked also by the beep, you will see the software version, the capacity of the scale, and then you enter the measurement mode.

Wait at least 15 minutes to warm up before the first use.

User calibration (*only for no OIML products*)

Each balance is calibrated in the laboratory by qualified technicians using certified sample masses.

Calibration procedure

- Turn off the balance. Keep pressed TARE key, and press ⏻ key to display shows "CAL";
- When no-load, press ZERO key to calibrate zero point, display [C-ZERO] first;
- Then display shows "SPAN": place 1 kg, 2 kg or 3 kg.
  The display shows "on1", "on2" or "on3" in reference with the mass on weighing plate;
- Then display shows "pass" and count backward to the weighing mode.

Unit Setting

Unit selection

When the balance is in weighing mode, keep pressed ZERO for 3 second to change the unit one by one: kg, g, lb-oz, pcs. The led of the corresponding unit lights on.
Default unit selected is gram [g].

Zero

With no weight on the scales, press the ZERO button to take the 0.00 reading on the display. The ZERO function is only effective if the value shown is less than 4% of total capacity. If the value is greater than 4%, the load is regarded as a tare.

Tare

After placing the tare on the scales, press the TARE button to reset the value displayed to 0.00. The load used for Tara has to be subtracted by the overall capacity weighing.

Measure

Place the sample on the plate.
Wait that the stability indicator lights before taking the measurement.

Function

Counter function

Select weighting unit PCS.

Now hold ⬤TARE key for 3 second: display shows SP=5.

Press ⬤TARE key to select the reference number (5, 10, 20, 50, 100, 200, 500), place the same quantity of

samples on the plate and press ⬤ZERO key. Now put all the other samples on the plate to count them.

Limit and Alarm Settings

XS BW3000 allows you to set measures limits, higher and lower.
This function is very useful in a lot of production process, to check very fast if the sample respect the specification.
You can set higher and lower limit, alarm rules (how alarm has to work) and activate or not the sound.

To activate the check-weighing, in weighing mode, press ⬤. Display shows Ck – On.

To set alarm, keep pressed ⬤ for 3 seconds **(only if the check-weighing function is ON):**

Display   Set higher limit

Set - Hi → ZERO → **3,000** → ZERO — Confirm

Display

Set lower limit

Set - Lo → ZERO → **0,000** → ZERO — Confirm

Display

Set alarm rules

Set - Li → ZERO →

- L in - Lo
- L in - In
- L in - Un
- L in - Hi

TARE
to scroll

ZERO
Confirm the selection

Display

Set - Ck → ZERO →

- St
- Us

TARE
to scroll

ZERO
Confirm the selection

Display

Set - Bz → ZERO →

- Bz
- Mu

TARE
to scroll

ZERO
Confirm the selection
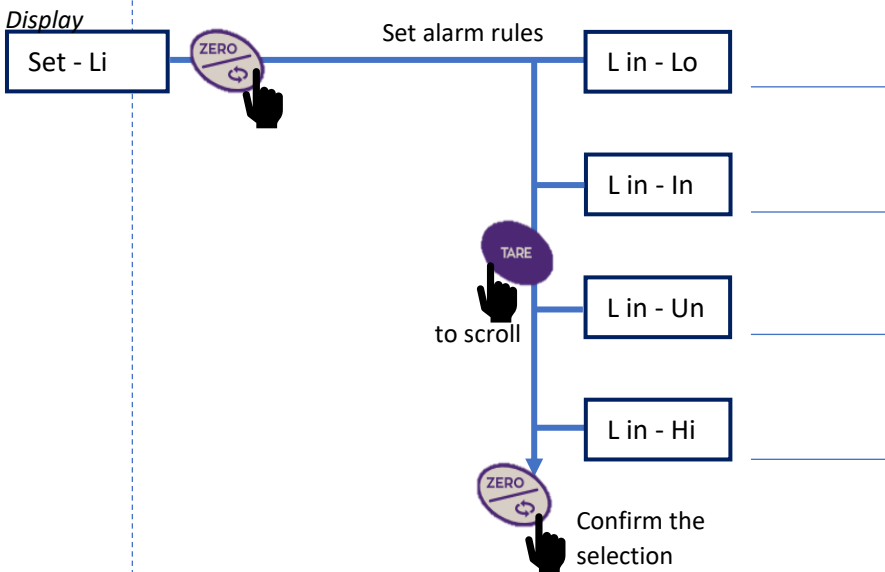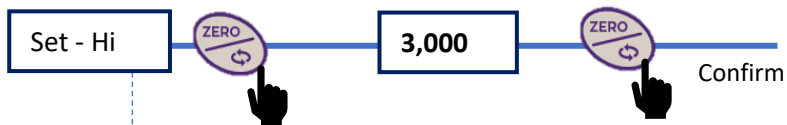
Return to measure mode

Function settings

How to change value when is flashing

TARE ↑ Increase the value

⌃ ← Move to next digit

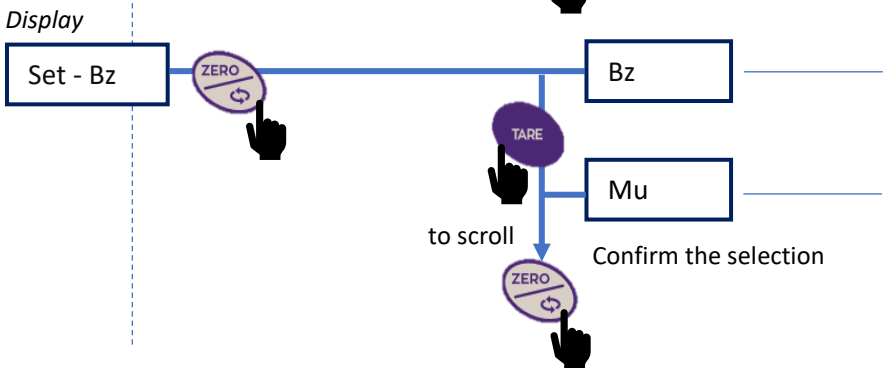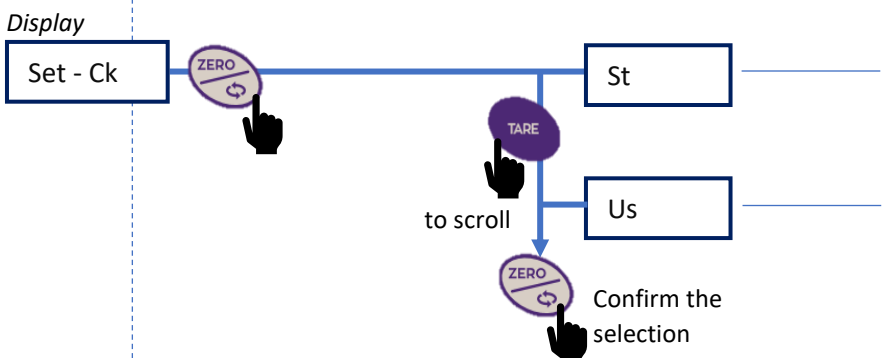|	Low limit	High limit	
	!!!		Only when the weight is less than the lower limit
		!!!	When the weight is between lower and higher limits
	!!!	!!!	When the weight is less than the lower limit or more than the higher limit
		!!!	Only When the weight is more than the higher limit

St	Alarm works only when measure is stable
Us	Alarm works when measures are stable or unstable

Bz	Acustic alarm ON
Mu	Acustic alarm OFF

To enter in the function settings menu, , keep pressed 🔊 for 3 seconds

(If check-weighing function is active, software doesn't allow the operator to enter in the function menu.

To deactivate, in weighing mode press 🔊 . Display shows Ck – OFF.)

| Speed - | F | 🔊 *to scroll* | M | I | **Set the speed of the measurement** | **F** = Fast **M** = medium **S** = Slow |

Display TARE

| A J - | 0 | 🔊 *to scroll* | 9 | **Set the stability filter,** from 0 (less stability) to 9 (max stability) |

TARE

| APF - | 0 | 🔊 *to scroll* | 10 | 20 | 30 | 60 | **Set the auto power off:** 0= no auto power off 10= auto power off in 10 minutes 20= auto power off in 20 minutes 30= auto power off in 30 minutes 60= auto power off in 40 minutes |

TARE

| PS - | 0 | 🔊 *to scroll* | off | **Set the power saving mode:** On or Off |

TARE

| SAVE - | Y | 🔊 *to scroll* | N | **Save the unit set after turning Off:** Yes (Y) or No (N) |

TARE

Return to measure mode

Battery

The scale mounts a rechargeable battery.

To recharge the battery use the power supply placed inside the compartment at the bottom of the scale. In order to open the compartment it is necessary to remove the 4 screws.

Is not recommended to use the balance with the power supply connected.
With the bottom compartment opened, IP67 Is no guaranteed.

Troubleshooting

Description	Solution
Does not turn on	Connect the power supply. Verify the power supply status and connection.
Low voltage lamp flicker	Recharge the battery
Display B-Err	Recharge the battery
Reading error. Does not calibrate.	Recalibrate the scale. Look for the right work conditions
O-load	Overload, loss weight
O-zero	Exceed initial zero, modify settings or remove object

Data sheet

Capacity	3000 g
Division	1 g
Repeatability	1 g
Linearity	± 1 g
Plate Dimensions (mm)	220 * 180
Calibration	External
RS 232	No
rechargeable battery	Yes
Dual display (front and back)	Yes

Disposal of electronic devices

The electrical and electronic equipment marked with this symbol cannot be disposed of in public landfills.
According to the WEEE Directive 2012/19/EU, the European users of electrical and electronic equipment can return it to the dealer or manufacturer upon purchase of a new one.
The illegal disposal of electrical and electronic equipment is punished with an administrative fine.